Yahoo Group Archive: VK5JST_Analysers

Yahoo Group summary: Antenna Analysers - HF, VHF, UHF. VK5JST

These Yahoo Groups messages were archived in WARC format by ArchiveTeam in 2018. This PDF was generated by Digital Library of Amateur Radio & Communications from the WARC files in 2026.

Date span: 2010-04-30 through 2016-09-23

Source WARC: vk5jst_analysers.ylrjjQ4.warc.gz

Source item: https://archive.org/details/yahoo-groups-2018-08-30T15-51-04Z-b091bc

Messages included in this PDF: 513

Yahoo replaced the domain portions of email addresses with @... in the archived messages. Characters lost in Yahoo's archived text appear as ?.

Messages are presented in ascending Yahoo message-ID order. Gaps indicate records absent from the source WARC or messages omitted from this PDF as spam.

1. INTRO

Yahoo group: VK5JST_Analysers
Date: 2010-04-30 05:35:52 UTC
From: StuN
Topic: 1 Message: 1

One of my main interests in amateur radio is antennas (including the contraversial "EH", which I have sucessfully built) and experimentation with them, but the SWR meter really doesn't tell the whole story.

The VK5JST Analyser looks to be just what I need for my antenna experimentation - handy, self-powered, accurate enough for practical purposes . . . . . And a fraction of the cost of the MF259B that I just can't afford!

Looking through the files, I came across the VHF/UHF design too - EVERYTHING I need covered by these two!

I haven't built either yet, but I'm buying the kit for the HF analyser, and I'll be building the VHF/UHF one too. I was hoping to find a Yahoo Group as a forum for discussion on these beasts but there wasn't one, so suggested to Jim and Graham that 'someone' should start one up - and back came the reply "go for it"!

I'm hoping that the location of this group will be spread through the community and be the place to discuss building, modification (there are several mods out there, but seem to be scattered around) and anything about these instruments.

Welcome!

2. Re: INTRO

Yahoo group: VK5JST_Analysers
Date: 2010-07-12 21:28:11 UTC
From: StuN
Topic: 1 Message: 2

I've been tied up with work a lot for the last couple of months, and most of it has been overseas, so no chance to build the analiser.

But the HF analiser kit from Jim arrived while I was away, and I've just placed an order for the components for the v/uhf design. I've been borrowing the club's MFJ last week to tune the VHF part of a multi-band beam, but it doesn't cover the UHF 70 cms beam and I was getting nowhere trying to tune that one with only an SWR meter (a cheap one!)

So I think my first project to start o this week will be the V/UHF design. It's probably a good idea for me to start there anyway as I have almost no experience of surface mount components and the simpler design of the V/UHF will be a simpler place to start with (the V/UHF design has a much smaller component count as the circuitry is analog, and you have to provide your own "precision frequency source" (eg. a low-power TX; in my case I'll be using my Wouxun 144/432MHz rig)

3. To the group

Yahoo group: VK5JST_Analysers
Date: 2010-07-19 17:48:39 UTC
From: w2eec
Topic: 3 Message: 3

Hey Stu.
I'm glad to join the group.
Please keep us/me informed at to how the UHF/VHF analyzer comes out. At some point in time I would live to build one myself to make a complete set. Actually I wish they would pit out a kit for this too :-) Tomorrow in the morning I am ordering the HF kit. Cant wait. It looks like a fun build and it is a very good tool. I'll post any mods I do along with what I think of the building process.

73 de W2EEC

Eric

4. Re: [VK5JST_Analysers] To the group

Yahoo group: VK5JST_Analysers
Date: 2010-07-19 18:21:51 UTC
From: Frank H
Topic: 3 Message: 4

And I'm number 3 Eric.
I've got a few jobs to get finished before I start building. I've had a Tosh laptop on the bench for weeks. Want to get that done before I get onto the analyser. looking forward to that as not built anything for years.

Frank G1OFA / M0OFA

On 19 July 2010 18:48, w2eec <champine@...> wrote:

>
>
> Hey Stu.
> I'm glad to join the group.
> Please keep us/me informed at to how the UHF/VHF analyzer comes out. At
> some point in time I would live to build one myself to make a complete set.
> Actually I wish they would pit out a kit for this too :-) Tomorrow in the
> morning I am ordering the HF kit. Cant wait. It looks like a fun build and
> it is a very good tool. I'll post any mods I do along with what I think of
> the building process.
>
> 73 de W2EEC
>
> Eric
>
>
>

5. Re: [VK5JST_Analysers] To the group

Yahoo group: VK5JST_Analysers
Date: 2010-07-19 18:40:35 UTC
From: Eric Champine
Topic: 3 Message: 5

Good to see ya Frank.
I know the moderator has a hard time keeping everything on subject so I thought I would try to get it going on this group before he had to step in and say something.
I am hoping this is going to be as good as all the reviews state. I just couldn't pay the price that MFJ wanted unless I really needed it! As for the Autek, I love the size but the reviews were hit and miss. I didn't want to take a chance for that price. This analyzer does everything I want it to do for a real good price. I have been wanting to start to make some of my own antennas and I also use the Buddipole. This analyzer is a big inexpensive key to it all. Till now I have just been looking at the SWR and listening. Works good but this is going to be much better.
I wish they would put out a kit for the UHF/VHF analyzer :-)
As soon as I get mine I'll start the build and keep a thread going on it. I'll post pics too. If I can I'll add some files I run across too.
Have a good day Frank.

73 de W2EEC

Eric

6. Re: [VK5JST_Analysers] To the group

Yahoo group: VK5JST_Analysers
Date: 2010-07-20 04:47:15 UTC
From: Stu Nutt
Topic: 3 Message: 6

Greetings all!

When I bought my "HF" kit I ordered an extra case, so as to make both analysers in a similar style. As Eric says, it's a pity that there's not a kit for the V/UHF one as well because some of the exact components are not so easy to obtain here in UK. It would probably save money too as putting together a kit is a lot cheaper than buying all the parts for just one unit from several suppliers.

I've only recently come back to ham radio after 20 years working in the Middle East where I was unable to get a license, hence there is no "junk box" in the shack. Little things like finding a few brass screws (RF socket mounting) even cause problems - I think I'll have to get out the bike and cycle into town just to buy a handful of those! I decided to build the V/UHF one first as I've built a common-boom beam for 2m and 70cm and the (local club's) MFJ can't help me on 70. Also, the few SMD resistors were good practice before I started with the more complex circuit of the kit.

Mine's all built now, with the exception of the power attenuator, but I hit a bug with the capacitors by getting my "nF to mF" conversion wrong, so now I'm waiting for the replacement caps. Jim's original appears to use a "wide format" meter, which doesn't fit into the box used for the "HF" project, I had to use photo-editing to make the meter scale to match the meter that I bought - looks good though :).

Now on hold a day or two for the capacitors . . . . . .

Stu (G3OCR)

7. Re: To the group

Yahoo group: VK5JST_Analysers
Date: 2010-07-20 05:22:51 UTC
From: w2eec
Topic: 3 Message: 7

Thanks for the info Stu.
If at some point in time, I would love to see some pics.
Hummmmmm.
SMD's.......
I have never worked with them.
I have seen some friends solder them and I think I can do it but till now I have tried my best to avoid them at all coast. Hi Hi
Yet something else to work on in my life. Just add it to the list :-)
Ordering the extra enclosure is a good idea. I think I am going to do that so it is a matched set when I am done. Thanks and have a good day.

73 de W2EEC

Eric

8. New file uploaded to VK5JST_Analysers

Yahoo group: VK5JST_Analysers
Date: 2010-07-20 06:53:04 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 8 Message: 8

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the VK5JST_Analysers
group.

File : /V-UHF Pics/vhf-uhf front.JPG
Uploaded by : g3ocr <stunutt@...>
Description : Construction of Front Panel

You can access this file at the URL:
http://groups.yahoo.com/group/VK5JST_Analysers/files/V-UHF%20Pics/vhf-uhf%20front.JPG

To learn more about file sharing for your group, please visit:
http://help.yahoo.com/l/us/yahoo/groups/original/members/forms/general.htmlfiles

Regards,

g3ocr <stunutt@...>

9. New file uploaded to VK5JST_Analysers

Yahoo group: VK5JST_Analysers
Date: 2010-07-20 06:55:05 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 8 Message: 9

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the VK5JST_Analysers
group.

File : /V-UHF Pics/vhf-uhf PCB.jpg
Uploaded by : g3ocr <stunutt@...>
Description : PCB - populated

You can access this file at the URL:
http://groups.yahoo.com/group/VK5JST_Analysers/files/V-UHF%20Pics/vhf-uhf%20PCB.jpg

To learn more about file sharing for your group, please visit:
http://help.yahoo.com/l/us/yahoo/groups/original/members/forms/general.htmlfiles

Regards,

g3ocr <stunutt@...>

10. Re: [VK5JST_Analysers] Surface Mount

Yahoo group: VK5JST_Analysers
Date: 2010-07-20 07:07:18 UTC
From: Stu Nutt
Topic: 10 Message: 10

Eric,

I was at first a bit concerned about the SMDs, and somewhat scared when I opened the pack of 150 ohm "1206" resistors - They are SMALL!

I had bought one of those board-holding devices with a magnifier (www.mechatronics-onlineshop.co.uk has them) which made them look a lot bigger, although the magnifying lens does get in the way a bit, and maybe a head-mounted magnifier would be better). It didn't take much to get the hang of positioning the component on the (pre-tinned)PCB, tacking one end, soldering the other, then returning to the first end to solder it "properly".

The BIG caveat was holding the component for the first tack . . . . I was lucky that the nine 150 ohm resistors required by the circuit were sold in packs of 10, as one went flying when it slipped from under the tweezers and went flying across the shack - never to be seen again!

I've posted my initial pictures on the board here in the "files" section. As you can see, I plan to complete the "works" before adding the front panel labelling (to avoid scratches, burns, etc).

The picture of the front of the unit also shows my Wouxun KG-UVD1 144/432 H/T which supplies the RF input, and a nice 50-watt Bird Termaline dummy load ($150 new, £10 used on eBay!).

The picture of the internals is a bit dusty from drilling the rf socket holes etc. And I probably need to replace that piece of yellow hook-up wire on the input when I can find some miniature coax (I found that RG-58 won't bend well enough!). Still to come is the attenuator but I can turn my H/T down to 1 watt to drive the unit directly.

The PCB isn't too pretty as I'm still re-discovering how to put etch-resist onto the bare board, and I have a couple of fixed resistors in series with the trim-pots as I couldn't get the 10k that the design calls for.

Stu
----- Original Message -----
From: w2eec
To: VK5JST_Analysers@yahoogroups.com
Sent: Tuesday, July 20, 2010 6:22 AM
Subject: [VK5JST_Analysers] Re: To the group

Thanks for the info Stu.
If at some point in time, I would love to see some pics.
Hummmmmm.
SMD's.......
I have never worked with them.
I have seen some friends solder them and I think I can do it but till now I have tried my

best to avoid them at all coast. Hi Hi
Yet something else to work on in my life. Just add it to the list :-)
Ordering the extra enclosure is a good idea. I think I am going to do that so it is a matched set when I am done. Thanks and have a good day.

73 de W2EEC

Eric

11. Re: To the group

Yahoo group: VK5JST_Analysers
Date: 2010-07-20 08:47:29 UTC
From: StuN
Topic: 3 Message: 11

I had bought one of those board-holding devices with a magnifier (www.mechatronics-onlineshop.co.uk has them) which made them look a lot bigger, although the magnifying lens does get in the way a bit, and maybe a head-mounted magnifier would be better). It didn't take much to get the hang of positioning the component on the (pre-tinned)PCB, tacking one end, soldering the other, then returning to the first end to solder it "properly".

The BIG caveat was holding the component for the first tack . . . . I was lucky that the nine 150 ohm resistors required by the circuit were sold in packs of 10, as one went flying when it slipped from under the tweezers and went flying across the shack - never to be seen again!

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The picture of the front of the unit also shows my Wouxun KG-UVD1 144/432 H/T which supplies the RF input, and a nice 50-watt Bird Termaline dummy load ($150 new, £10 used on eBay!).

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The PCB isn't too pretty as I'm still re-discovering how to put etch-resist onto the bare board, and I have a couple of fixed resistors in series with the trim-pots as I couldn't get the 10k that the design calls for.

Stu

--- In VK5JST_Analysers@yahoogroups.com, "w2eec" <champine@...> wrote:
>
> Thanks for the info Stu.
> If at some point in time, I would love to see some pics.
> Hummmmmm.
> SMD's.......
> I have never worked with them.
> I have seen some friends solder them and I think I can do it but till now I have tried my best to avoid them at all coast. Hi Hi
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> Ordering the extra enclosure is a good idea. I think I am going to do that so it is a matched set when I am done. Thanks and have a good day.
>
> 73 de W2EEC
>
> Eric

>

12. Re: To the group

Yahoo group: VK5JST_Analysers
Date: 2010-07-20 14:17:18 UTC
From: w2eec
Topic: 3 Message: 12

Hey Stu.
Thanks.
It looks like you did a really good job and it looks nice in that case.
It doesn't look like it was to hard of a project to build.
Please keep us informed of your progress. Good job :-)

73 de W2EEC

Eric

13. Introduction

Yahoo group: VK5JST_Analysers
Date: 2010-07-21 00:32:05 UTC
From: va7gg
Topic: 13 Message: 13

Gu' Day, Mates...

John, VE3KKQ here, my VK5JST analyzer is on its way here from down under.

Been scouring the net for good, bad and mods info to improve performance.

Got to go now, the soldering iron is calling me to brush up on my skills with heat and 60/40.

73 es gud dx de VE3KKQ

14. Re: [VK5JST_Analysers] Introduction

Yahoo group: VK5JST_Analysers
Date: 2010-07-21 06:13:52 UTC
From: Stu Nutt
Topic: 13 Message: 14

There's a mod linked from the club site to extend the range to 50MHz (6 meter band) - would that be of interest?

I plan to do it, but after I get the analyser working as standard.

----- Original Message -----
From: va7gg
To: VK5JST_Analysers@yahoogroups.com
Sent: Wednesday, July 21, 2010 1:32 AM
Subject: [VK5JST_Analysers] Introduction

Gu' Day, Mates...

John, VE3KKQ here, my VK5JST analyzer is on its way here from down under.

Been scouring the net for good, bad and mods info to improve performance.

Got to go now, the soldering iron is calling me to brush up on my skills with heat and 60/40.

73 es gud dx de VE3KKQ

15. Re: [VK5JST_Analysers] Introduction

Yahoo group: VK5JST_Analysers
Date: 2010-07-21 10:31:09 UTC
From: Frank H
Topic: 13 Message: 15

My kit arrived last Saturday John but not had time to do anything with it yet.
There's plenty positive reviews out there in the net. I started on eham while looking for an analyser and the reviews on there tell a good story.

Plenty sites with mods and setting up info. Check out youtube also There's some kit building videos on there and demos.

Frank G1OFA /M0OFA

On 21 July 2010 01:32, va7gg <jonie41@...> wrote:

>
>
>
> Gu' Day, Mates...
>
> John, VE3KKQ here, my VK5JST analyzer is on its way here from down under.
>
> Been scouring the net for good, bad and mods info to improve performance.
>
> Got to go now, the soldering iron is calling me to brush up on my skills
> with heat and 60/40.
>
> 73 es gud dx de VE3KKQ
>
>
>

16. Re: Introduction

Yahoo group: VK5JST_Analysers
Date: 2010-07-21 14:52:27 UTC
From: w2eec
Topic: 13 Message: 16

Hey John.
Hope you have a fun and easy build :-)
Please keep us informed as to how everything went and any mods you may have made.
Have a good day.

73 de W2EEC

Eric

17. Re: [VK5JST_Analysers] Introduction

Yahoo group: VK5JST_Analysers
Date: 2010-07-23 00:20:27 UTC
From: jonie41
Topic: 13 Message: 17

Hi Stu and All,

Yes, I am aware of the mod and plan to incorporate it as well. There is also someone who has an ALC mod, a Dutch site I think, that should be a very good one to add on.

The package should arrive sometime next week, I have to clean up the shack before it arrives, I was seriously looking at the RigExpert AA-230PRO, but my wife's cooler head prevailed, there is money that can be spent on other ham radio stuff.

Happy building,

es gud dx de VE3KKQ, John

18. Re: Introduction

Yahoo group: VK5JST_Analysers
Date: 2010-07-23 00:41:41 UTC
From: w2eec
Topic: 13 Message: 18

Hey all.
Mine kit should arrive some time next week too.
Can't wait :-)

73 de W2EEC

Eric

19. File - vhf-uhf PCB.jpg

Yahoo group: VK5JST_Analysers
Date: 2010-07-25 08:32:59 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 19 Message: 19
Attachments: 1 described; binary payloads are missing from this source WARC

```
File : vhf-uhf PCB.jpg
Description : PCB - populated
```

20. File - vhf-uhf front.JPG

Yahoo group: VK5JST_Analysers
Date: 2010-07-25 08:32:59 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 20 Message: 20
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf front.JPG
Description : Construction of Front Panel

21. File - vhf-uhf inside.jpg

Yahoo group: VK5JST_Analysers
Date: 2010-07-25 08:32:59 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 21 Message: 21
Attachments: 1 described; binary payloads are missing from this source WARC

```
File : vhf-uhf inside.jpg
Description : Internals (so far)
```

22. Got it !

Yahoo group: VK5JST_Analysers
Date: 2010-08-01 18:55:10 UTC
From: w2eec
Topic: 22 Message: 22

Hey all.
I just got my kit a few days ago and I am opening it now. Time to get started :-)
I'll let everyone know how the build goes and post some pics of the mods I do.

73 de W2EEC

Eric

23. Battery Tray.

Yahoo group: VK5JST_Analysers
Date: 2010-08-03 06:41:49 UTC
From: w2eec
Topic: 23 Message: 23

Hi all.
I don't know if anyone is interested but I just got in the mail today from Mouser.com a flat 10AA battery tray that fits perfectly in the Jiffy Box after you shave a few ribs inside the box. I was planing on using some NiMH rechargeable AA batteries but they are only 1.2v and from what I have seen you need 12 volts for the analyzer to work properly so I was worried how I was going to fit the extra batteries in and still have it look nice. Found it :-) I also got the .33 RF Choke in so I can set it up the analyzer for 6M and give it a try. I'll let everyone know how it worked out.

73 de W2EEC

Eric

24. Re: [VK5JST_Analysers] Battery Tray.

Yahoo group: VK5JST_Analysers
Date: 2010-08-03 06:49:50 UTC
From: Stu Nutt
Topic: 23 Message: 24

Yes, I believe that is the "recommended" way of using NiMh batteries - including the shaving of the ribs!

(Those ribs shave easily with a sharp wood chisel)

Stu
----- Original Message -----
From: w2eec
To: VK5JST_Analysers@yahoogroups.com
Sent: Tuesday, August 03, 2010 7:41 AM
Subject: [VK5JST_Analysers] Battery Tray.

Hi all.
I don't know if anyone is interested but I just got in the mail today from Mouser.com a flat 10AA battery tray that fits perfectly in the Jiffy Box after you shave a few ribs inside the box. I was planing on using some NiMH rechargeable AA batteries but they are only 1.2v and from what I have seen you need 12 volts for the analyzer to work properly so I was worried how I was going to fit the extra batteries in and still have it look nice. Found it :-) I also got the .33 RF Choke in so I can set it up the analyzer for 6M and give it a try. I'll let everyone know how it worked out.

73 de W2EEC

Eric

25. Quick Tip.

Yahoo group: VK5JST_Analysers
Date: 2010-08-03 06:53:00 UTC
From: w2eec
Topic: 25 Message: 25

Hey all.
I forgot to tell everyone about this.
When I received my kit I wanted to save the manual for future use so I went to the download section of of the club page and it turns out that some of the files are older versions. Be careful. I ran down the inventory list and was thinking I didn't have some of the parts but I did. After it was pointed out to me I looked at the manual that came with the kit vs. the one on the web page and they were different.Some of the photos also showed the old version kit and not the new one.
I just wanted to point that out so no one gets caught off guard like I did.

73 de W2EEC

Eric

26. Re: [VK5JST_Analysers] Quick Tip.

Yahoo group: VK5JST_Analysers
Date: 2010-08-03 07:02:26 UTC
From: Stu Nutt
Topic: 25 Message: 26

Thanks for that Eric - My kit came with no manuals, and I was going to just download them. Maybe I'll ask the club to email the correct set before I start - this is going to be my "Summer Holiday Project" (or one of them!)

(I've not started the HF kit yet as I'm building the VHF/UHF one first, and having a few problems - Jim says it's a bit tricky and he's right!)

Stu

----- Original Message -----
From: w2eec
To: VK5JST_Analysers@yahoogroups.com
Sent: Tuesday, August 03, 2010 7:53 AM
Subject: [VK5JST_Analysers] Quick Tip.

Hey all.
I forgot to tell everyone about this.
When I received my kit I wanted to save the manual for future use so I went to the download section of of the club page and it turns out that some of the files are older versions. Be careful. I ran down the inventory list and was thinking I didn't have some of the parts but I did. After it was pointed out to me I looked at the manual that came with the kit vs. the one on the web page and they were different.Some of the photos also showed the old version kit and not the new one.
I just wanted to point that out so no one gets caught off guard like I did.

73 de W2EEC

Eric

27. Re: Quick Tip.

Yahoo group: VK5JST_Analysers
Date: 2010-08-03 15:00:39 UTC
From: w2eec
Topic: 25 Message: 27

Hey Stu.
If I get a chance, I was going to convert to .pdf the manual that came with it. I can post a copy so you can get it too. It may have some markings in it but it'll work. All it is, is several 2 sided pages of paper with the history, theory, parts list, instructions and so on. I would have thought you got that too?
This kit is real fun for me. It is a bit more challenging for me than other kits but that is what makes it so much more fun. To see it take shape and hopefully past the smoke test. This is also the first time I have worked with a board that is laid out this way.
The box came out real nice but you have to think twice before you cut or drill. I almost drilled the fine tuning pot up to far. Other than that, I took my time and it cane out very good :-)
I also cut the shaft of the fine tune pot down to half its size. It stuck out way to far. It looks nice now.
I was going to add both a BNC and a SO-239 connector to the kit but where I wanted to place them just didn't have enough room so I only added the BNC and I'll put an adapter to the SO-239 on it so what ever I need to use I'll have it.
That is the update for now. When and if I get home tonight at a good time I may get a bit more soldering done. I am hoping to get this done before the weekend so I can give it a try on setting up my Buddipole. Have a good day.

73 de W2EEC

Eric

--- In VK5JST_Analysers@yahoogroups.com, "Stu Nutt" <stunutt@...> wrote:
>
> Thanks for that Eric - My kit came with no manuals, and I was going to just download them. Maybe I'll ask the club to email the correct set before I start - this is going to be my "Summer Holiday Project" (or one of them!)
>
> (I've not started the HF kit yet as I'm building the VHF/UHF one first, and having a few problems - Jim says it's a bit tricky and he's right!)
>
> Stu
>
> ----- Original Message -----
> From: w2eec
> To: VK5JST_Analysers@yahoogroups.com
> Sent: Tuesday, August 03, 2010 7:53 AM
> Subject: [VK5JST_Analysers] Quick Tip.
>
>
>
>
> Hey all.
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> I just wanted to point that out so no one gets caught off guard like I did.
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> 73 de W2EEC
>
> Eric
>

28. Re: [VK5JST_Analysers] Re: Quick Tip.

Yahoo group: VK5JST_Analysers
Date: 2010-08-03 15:08:35 UTC
From: Stu Nutt
Topic: 25 Message: 28

Thanks Eric, No rush but when you get the files PDF'd I'd appreciate a copy. They forgot to pack my copy with the kit, and I said not to worry as I had everything downloaded, but it would be good to be sure that I have recent instructions!

The case on the V/UHF one has come out well too. I was still struggling to get it to work before the weekend, then got tied up with preparing for a RAYNET (RACES?) event and I'll be away on business for most of the next 2 weeks. This work stuff doesn't half mess with your ham life doesn't it!

Looking forward to your reports when you've finished ;)

Stu, G3OCR
----- Original Message -----
From: w2eec
To: VK5JST_Analysers@yahoogroups.com
Sent: Tuesday, August 03, 2010 4:00 PM
Subject: [VK5JST_Analysers] Re: Quick Tip.

Hey Stu.
If I get a chance, I was going to convert to .pdf the manual that came with it. I can post a copy so you can get it too. It may have some markings in it but it'll work. All it is, is several 2 sided pages of paper with the history, theory, parts list, instructions and so on. I would have thought you got that too?
This kit is real fun for me. It is a bit more challenging for me than other kits but that is what makes it so much more fun. To see it take shape and hopefully past the smoke test. This is also the first time I have worked with a board that is laid out this way.
The box came out real nice but you have to think twice before you cut or drill. I almost drilled the fine tuning pot up to far. Other than that, I took my time and it cane out very good :-)
I also cut the shaft of the fine tune pot down to half its size. It stuck out way to far. It looks nice now.
I was going to add both a BNC and a SO-239 connector to the kit but where I wanted to place them just didn't have enough room so I only added the BNC and I'll put an adapter to the SO-239 on it so what ever I need to use I'll have it.
That is the update for now. When and if I get home tonight at a good time I may get a bit more soldering done. I am hoping to get this done before the weekend so I can give it a try on setting up my Buddipole. Have a good day.

73 de W2EEC

Eric

29. New file uploaded to VK5JST_Analysers

Yahoo group: VK5JST_Analysers
Date: 2010-08-04 17:17:35 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 8 Message: 29

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the VK5JST_Analysers
group.

File : /VK5JST Aerial Analyser Instruction Pack 08-04-10.pdf
Uploaded by : w2eec <champine@...>
Description : VK5JST Aerial Analyser Instruction Pack As Of 08-04-10

You can access this file at the URL:
http://groups.yahoo.com/group/VK5JST_Analysers/files/VK5JST%20Aerial%20Analyser%20Instruction%20Pack%2008-04-10.pdf

To learn more about file sharing for your group, please visit:
http://help.yahoo.com/l/us/yahoo/groups/original/members/forms/general.htmlfiles

Regards,

w2eec <champine@...>

30. Re: Quick Tip.

Yahoo group: VK5JST_Analysers
Date: 2010-08-04 17:23:32 UTC
From: w2eec
Topic: 25 Message: 30

Hey Stu.
I just made the .pdf file and uploaded it to the files section. You can print this one out. I spent some time masking out all of my markings on the pages :-) I think it came out nice. Hope this helps you out.

73 de W2EEC

Eric

31. Quick Tip #2

Yahoo group: VK5JST_Analysers
Date: 2010-08-07 02:30:26 UTC
From: w2eec
Topic: 31 Message: 31

Hey all.
The build is going good.
I have never built on this king of main board and is very neat and a good experience.
There are two things I did notice that I would like to pass on.
1st is on the overlay there are 6 black dots that attach the circuit part of the board to ground. I didn't do that till close to the end. Not a good idea. If I had to do it all over again, I would solder them first! Not to much fun to try to do after most of the components are already soldered on. Not much space to work at all.
2nd (Tis is not a big thing but something that caught me off guard) On the 12 position switch. The overlay shows the the pin in the center being towards the 160pF variable capacitor. On my switch the center pin faces in the other direction. Also if you look on the back of the switch there are numbers to show where the positions of the switch are.
One more thing. On the shaft for the 12 position switch there is a flat side where you are suppose to screw the set screw down on. If you do the white dot in on the wrong side. I just unscrewed the set screw out farther and tightened down on the round side. This did have one good benefit. It was real easy to line up the dot with the markings on the faceplate. I did find a video on Youtube where some one took the switch apart and rotated the shaft around the way it should be in the pics but that seems like a risk and I like the alignment of the markings much better so I am going to keep it this way.
If I see anything else that I can add a helpful hint to I'll post again.
I hope everyone has a good weekend.

73 de W2EEC

Eric

32. Re: [VK5JST_Analysers] Quick Tip #2

Yahoo group: VK5JST_Analysers
Date: 2010-08-07 06:58:45 UTC
From: Stu Nutt
Topic: 31 Message: 32

The switch - Yes, there is a warning somewhere that the club can't be sure of the manufacture of the switches, so always check the layout of the switches before starting!

Thanks for the tip on the ground connections - I'm sure that will save everyone else the hassle!

Stu

----- Original Message -----
From: w2eec
To: VK5JST_Analysers@yahoogroups.com
Sent: Saturday, August 07, 2010 3:30 AM
Subject: [VK5JST_Analysers] Quick Tip #2

Hey all.
The build is going good.
I have never built on this king of main board and is very neat and a good experience.
There are two things I did notice that I would like to pass on.
1st is on the overlay there are 6 black dots that attach the circuit part of the board to ground. I didn't do that till close to the end. Not a good idea. If I had to do it all over again, I would solder them first! Not to much fun to try to do after most of the components are already soldered on. Not much space to work at all.
2nd (Tis is not a big thing but something that caught me off guard) On the 12 position switch. The overlay shows the the pin in the center being towards the 160pF variable capacitor. On my switch the center pin faces in the other direction. Also if you look on the back of the switch there are numbers to show where the positions of the switch are.
One more thing. On the shaft for the 12 position switch there is a flat side where you are suppose to screw the set screw down on. If you do the white dot in on the wrong side. I just unscrewed the set screw out farther and tightened down on the round side. This did have one good benefit. It was real easy to line up the dot with the markings on the faceplate. I did find a video on Youtube where some one took the switch apart and rotated the shaft around the way it should be in the pics but that seems like a risk and I like the alignment of the markings much better so I am going to keep it this way.
If I see anything else that I can add a helpful hint to I'll post again.
I hope everyone has a good weekend.

73 de W2EEC

Eric

33. Re: [VK5JST_Analysers] Quick Tip #2

Yahoo group: VK5JST_Analysers
Date: 2010-08-07 09:21:41 UTC
From: Frank H
Topic: 31 Message: 33

I have not had time to start on mine yet Eric. When I watched the YouTube video on the switch mod I thought it would be easier to make a flat on the spindle relative to the position needed rather than take the switch apart.

Thanks for PDFing the instructions. Its hard work reading the small print, with the PDF file its easy enlarge.

Frank G1OFA M0OFA

On 7 August 2010 03:30, w2eec <champine@...> wrote:

>
>
> Hey all.
> The build is going good.
> I have never built on this king of main board and is very neat and a good
> experience.
> There are two things I did notice that I would like to pass on.
> 1st is on the overlay there are 6 black dots that attach the circuit part
> of the board to ground. I didn't do that till close to the end. Not a good
> idea. If I had to do it all over again, I would solder them first! Not to
> much fun to try to do after most of the components are already soldered on.
> Not much space to work at all.
> 2nd (Tis is not a big thing but something that caught me off guard) On the
> 12 position switch. The overlay shows the the pin in the center being
> towards the 160pF variable capacitor. On my switch the center pin faces in
> the other direction. Also if you look on the back of the switch there are
> numbers to show where the positions of the switch are.
> One more thing. On the shaft for the 12 position switch there is a flat
> side where you are suppose to screw the set screw down on. If you do the
> white dot in on the wrong side. I just unscrewed the set screw out farther
> and tightened down on the round side. This did have one good benefit. It was
> real easy to line up the dot with the markings on the faceplate. I did find
> a video on Youtube where some one took the switch apart and rotated the
> shaft around the way it should be in the pics but that seems like a risk and
> I like the alignment of the markings much better so I am going to keep it
> this way.
> If I see anything else that I can add a helpful hint to I'll post again.
> I hope everyone has a good weekend.
>
> 73 de W2EEC
>
> Eric
>
>
>

34. File - vhf-uhf PCB.jpg

Yahoo group: VK5JST_Analysers
Date: 2010-08-08 08:47:53 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 19 Message: 34
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf PCB.jpg
Description : PCB - populated

35. File - vhf-uhf inside.jpg

Yahoo group: VK5JST_Analysers
Date: 2010-08-08 08:47:54 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 21 Message: 35
Attachments: 1 described; binary payloads are missing from this source WARC

```
File : vhf-uhf inside.jpg
Description : Internals (so far)
```

36. File - vhf-uhf front.JPG

Yahoo group: VK5JST_Analysers
Date: 2010-08-08 08:47:54 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 20 Message: 36
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf front.JPG
Description : Construction of Front Panel

37. File - vhf-uhf front.JPG

Yahoo group: VK5JST_Analysers
Date: 2010-08-08 09:32:51 UTC
From: Stu Nutt
Topic: 37 Message: 37

That's strange - I posted those a week or two ago!

Stu

38. Re: [VK5JST_Analysers] File - vhf-uhf front.JPG

Yahoo group: VK5JST_Analysers
Date: 2010-08-08 11:25:02 UTC
From: Frank H
Topic: 37 Message: 38

They appeared on the 25th July and repeated again today.
So good they sent them twice !!!

Frank

On 8 August 2010 10:32, Stu Nutt <stunutt@...> wrote:

>
>
> That's strange - I posted those a week or two ago!
>
> Stu
>
>

39. Re: File - vhf-uhf front.JPG

Yahoo group: VK5JST_Analysers
Date: 2010-08-10 05:46:33 UTC
From: w2eec
Topic: 37 Message: 39

Hey all.
Yahoo gets screwy sometimes :-)
Nice pics.
How does it work so far?

73 de W3EEC

Eric

40. It's somewhat done :-)

Yahoo group: VK5JST_Analysers
Date: 2010-08-10 05:52:10 UTC
From: w2eec
Topic: 40 Message: 40

Hey All.
I have my analyzer done with the exception of the battery tray and a few small things. I kind of screwed it up and have to order another battery tray. The 6m mod worked but not so good. It doesn't cover the whole band. I am going to try some other stuff like different RF chokes and make some of my own coils and try them. As far as the build goes, everything went awesome but I made one mistake that Graham (The one that sold me the unit) helped me out with. I had to touch up a few solder joints between the Picaxe chip and the LCD display. Once that was done it came to life and all was good. Once I get the new battery case I am going to borrow a friends MFJ analyzer and do some side-by-side testing. I have no doubt that it is going to do awesome but I just want to check it. On the 17th of this month my club has a picnic and I am going to show it off there. Many members have in my club have been very interested in it and there may be more sales going on shortly :-) Once my camera comes I'll post some pics of my mods any other tips I may have. Compared to some of the CW rig kits I have built, this kit was a lot more harder to build because there is fabrication to do where as the other kits have all the fabrication done for you. This is also the first time I have used this kind of board. It is a bit different but fun and very interesting. I think the extra effort I put in to it made it all that much more fun and satisfying in the end for me. More to come. I have to go to bed now. Getting late.

73 de W2EEC

Eric

41. V/UHF construction

Yahoo group: VK5JST_Analysers
Date: 2010-08-10 06:28:14 UTC
From: Stu Nutt
Topic: 41 Message: 41

Hi Eric and the gang,

Good to hear that your progress is good with the HF instrument - and any tips about the 50MHz band will be very welcome (try to post on a subject line that links everything up though - or start a new one).

No progress on my V/UHF unit recently, as I got tied up with a RAYNET (UK version of RACES) exercise and involving newly-installed APRS. But I was having some problems and Jim (VK5JST) tells me that it has turned out to be a rather more tricky project than it at first appeared! However, I'll be moving forward with it as soon as I get time - at the moment I'm out in the Middle-East on business, so all ham activity has to stop (no reciprocal licensing out here!) for a week or two, followed by the usual "catch-up" when I get home.

I didn't find the "fabrication" part of it too bad. The ribs in the box came out very easily where required, using a nice sharp wood chisel (by hand - no hammer needed!) and it drilled very easily by drilling with not much pressure and by starting off the big holes with a much smaller pilot drill. Holes above 10mm were a bit more tricky as 10mm was the largest twist drill in my box and I had to use one of those V-shaped drill tools to open them out - VERY gently. The hole for the meter was chain-drilled and cleaned-up with a half round file. Overall, any "final trimming" was easy with a craft knife.

Soldering the brass nuts for the antenna connector and the input/attenuator boards (the latter being something that is not pointed out in the article) is important, as otherwise you can solder the main board onto the antenna connector board and then find that you can't access the nuts to hold them while tightening the screws that hold the N-Type and the rest of the assembly into the case! The article does not appear too good in respect to the attenuator board details, but you just have to think about it (before cutting and soldering!) and it'll come out okay.

I did have to re-visit my long-forgotten PCB manufacturing (skills?) for the V/UHF instrument as there's no ready-made board available for this, but it came out well enough. I pre-tinned it using a small torch before starting construction, both to make soldering the components easier and also to reduce later oxidisation of any remaining copper bits if they had not been tinned. The SMD resistors (my first SMD project) did have a tendency to slip from the tweezers - as did some of the other components when the leads were cut to almost nothing - and I ended up with one resistor and one schottky that flew across the shack, never to be seen again! Fortunately I had a couple of spares.

The SMD resistor soldering was easier than expected. Just placed the component on the pre-tinned board and heated the board. First one end, then the other. If the joints looked as it they needed a bit more solder (there should be a CONCAVE solder fillet between the end of the component and the copper PCB) I just heated the board again and added a little. I didn't try "lead-free", as I've never got on very well with that stuff; just used the old-fashioned 64/40 tin/lead (I'll not be building and selling these commercially so no problem there!)

42. File - vhf-uhf front.JPG

Yahoo group: VK5JST_Analysers
Date: 2010-08-22 08:26:05 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 20 Message: 42
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf front.JPG
Description : Construction of Front Panel

43. File - vhf-uhf inside.jpg

Yahoo group: VK5JST_Analysers
Date: 2010-08-22 08:26:05 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 21 Message: 43
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf inside.jpg
Description : Internals (so far)

44. File - vhf-uhf PCB.jpg

Yahoo group: VK5JST_Analysers
Date: 2010-08-22 08:26:05 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 19 Message: 44
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf PCB.jpg
Description : PCB - populated

45. File - vhf-uhf PCB.jpg

Yahoo group: VK5JST_Analysers
Date: 2010-09-05 08:45:26 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 19 Message: 45
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf PCB.jpg
Description : PCB - populated

46. File - vhf-uhf front.JPG

Yahoo group: VK5JST_Analysers
Date: 2010-09-05 08:45:26 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 20 Message: 46
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf front.JPG
Description : Construction of Front Panel

47. File - vhf-uhf inside.jpg

Yahoo group: VK5JST_Analysers
Date: 2010-09-05 08:45:26 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 21 Message: 47
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf inside.jpg
Description : Internals (so far)

48. File - vhf-uhf PCB.jpg

Yahoo group: VK5JST_Analysers
Date: 2010-09-19 08:36:43 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 19 Message: 48
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf PCB.jpg
Description : PCB - populated

49. File - vhf-uhf front.JPG

Yahoo group: VK5JST_Analysers
Date: 2010-09-19 08:36:43 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 20 Message: 49
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf front.JPG
Description : Construction of Front Panel

50. File - vhf-uhf inside.jpg

Yahoo group: VK5JST_Analysers
Date: 2010-09-19 08:36:43 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 21 Message: 50
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf inside.jpg
Description : Internals (so far)

51. File - vhf-uhf PCB.jpg

Yahoo group: VK5JST_Analysers
Date: 2010-10-03 08:42:10 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 19 Message: 51
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf PCB.jpg
Description : PCB - populated

52. File - vhf-uhf front.JPG

Yahoo group: VK5JST_Analysers
Date: 2010-10-03 08:42:10 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 20 Message: 52
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf front.JPG
Description : Construction of Front Panel

53. File - vhf-uhf inside.jpg

Yahoo group: VK5JST_Analysers
Date: 2010-10-03 08:42:10 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 21 Message: 53
Attachments: 1 described; binary payloads are missing from this source WARC

```
File : vhf-uhf inside.jpg
Description : Internals (so far)
```

54. File - vhf-uhf PCB.jpg

Yahoo group: VK5JST_Analysers
Date: 2010-10-17 08:46:22 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 19 Message: 54
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf PCB.jpg
Description : PCB - populated

55. File - vhf-uhf front.JPG

Yahoo group: VK5JST_Analysers
Date: 2010-10-17 08:46:23 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 20 Message: 55
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf front.JPG
Description : Construction of Front Panel

56. File - vhf-uhf inside.jpg

Yahoo group: VK5JST_Analysers
Date: 2010-10-17 08:46:23 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 21 Message: 56
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf inside.jpg
Description : Internals (so far)

57. File - vhf-uhf PCB.jpg

Yahoo group: VK5JST_Analysers
Date: 2010-10-31 08:35:47 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 19 Message: 57
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf PCB.jpg
Description : PCB - populated

58. File - vhf-uhf front.JPG

Yahoo group: VK5JST_Analysers
Date: 2010-10-31 08:35:47 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 20 Message: 58
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf front.JPG
Description : Construction of Front Panel

59. File - vhf-uhf inside.jpg

Yahoo group: VK5JST_Analysers
Date: 2010-10-31 08:35:47 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 21 Message: 59
Attachments: 1 described; binary payloads are missing from this source WARC

```
File : vhf-uhf inside.jpg
Description : Internals (so far)
```

61. EIGHT rechargeable batteries

Yahoo group: VK5JST_Analysers
Date: 2010-11-01 16:45:08 UTC
From: StuN
Topic: 61 Message: 61

Okay - if we want to use NiCd or NiMH rechargeable cells instead of Alkaline, we have to fit 10 cells into the case - a tight squeeze.

There's now NiZn (Nickel Zinc) technology that gives 1.6 volts per cell. So now we have a direct swap with virtually the same voltage to use rechargeable batteries!

They apparently have a good capacity and good longevity compared with NiMH and the price is already reasonable - and they are "green"!

I caught the info from the Wouxon H/T radio forum, where the "dry cell pack" takes only 5 cells and the rig doesn't get enough voltage with NiMH cells.

Two suppliers are:
Powergenix.com
greenbatteries.com

I'm thinking of getting some for my bike lights too - when they are available in AAA size (so far only AA) Oh yes - we'll probably have to get a suitable charger too.

62. Re: [VK5JST_Analysers] EIGHT rechargeable batteries

Yahoo group: VK5JST_Analysers
Date: 2010-11-01 17:46:27 UTC
From: Eric Champine
Topic: 61 Message: 62

Wow.
Thanks for the info. It is to bad that they didn't come out sooner. I have so many NiMH batteries and I have changed everything to accommodate them already. I hope they are as good as the NiMH. I am thinking of giving them a try in the future and if they are good to go then start to slowly changing over as the old stuff gets used up. More chargers to get. Ugg. LOL
Thanks for the info.

73 de W2EEC

Eric

63. XC or XL

Yahoo group: VK5JST_Analysers
Date: 2010-11-06 12:12:16 UTC
From: Iain
Topic: 63 Message: 63

Hi All

I'm new to the group as only discovered the group just now.
Have had my VK5JST analyser for about a year now and it's been the best piece of testkit I've ever had.

However I'm wondering if there is a way of understanding whether the Reactance (X) it shows is inductive or capacitive ?

Back in my brain somewhere I seem to think there was arule of thumb which stated that if the X went down(or up) when the freq was increased it was therefore Inductive/capacitive ??

Was I imagining it ??

Any help would be appreciated.

Thanks and regards
Iain G4DPF

64. Re: [VK5JST_Analysers] XC or XL

Yahoo group: VK5JST_Analysers
Date: 2010-10-06 13:42:32 UTC
From: Stu Nutt
Topic: 63 Message: 64

That's right - it's somewhere in the original VK5JST article (Should I put links to all of his articles on here - or does everyone have them?) but another way is to add a little capacitance and see which way the X goes.

----- Original Message -----
From: Iain
To: VK5JST_Analysers@yahoogroups.com
Sent: Saturday, November 06, 2010 1:12 PM
Subject: [VK5JST_Analysers] XC or XL

Hi All

I'm new to the group as only discovered the group just now.
Have had my VK5JST analyser for about a year now and it's been the best piece of testkit I've ever had.

However I'm wondering if there is a way of understanding whether the Reactance (X) it shows is inductive or capacitive ?

Back in my brain somewhere I seem to think there was arule of thumb which stated that if the X went down(or up) when the freq was increased it was therefore Inductive/capacitive ??

Was I imagining it ??

Any help would be appreciated.

Thanks and regards
Iain G4DPF

65. RE: [VK5JST_Analysers] XC or XL

Yahoo group: VK5JST_Analysers
Date: 2010-11-07 10:02:13 UTC
From: Iain
Topic: 63 Message: 65

Hi Stu

Thanks for your email.

I was convinced that I had read somewhere. I've no re-read the original article and there it is !!

Thanks again and thanks for the suggestion to add a little capacitance and see which way the X goes !!

73's Iain G4dpf

From: VK5JST_Analysers@yahoogroups.com [mailto:VK5JST_Analysers@yahoogroups.com] On Behalf Of Stu Nutt
Sent: 06 October 2010 14:43
To: VK5JST_Analysers@yahoogroups.com
Subject: Re: [VK5JST_Analysers] XC or XL

That's right - it's somewhere in the original VK5JST article (Should I put links to all of his articles on here - or does everyone have them?) but another way is to add a little capacitance and see which way the X goes.

----- Original Message -----

From: Iain <mailto:iain@...>

To: VK5JST_Analysers@yahoogroups.com

Sent: Saturday, November 06, 2010 1:12 PM

Subject: [VK5JST_Analysers] XC or XL

Hi All

I'm new to the group as only discovered the group just now.
Have had my VK5JST analyser for about a year now and it's been the best piece of testkit I've ever had.

However I'm wondering if there is a way of understanding whether the Reactance (X) it shows is inductive or capacitive ?

Back in my brain somewhere I seem to think there was arule of thumb which stated that if the X went down(or up) when the freq was increased it was therefore Inductive/capacitive ??

Was I imagining it ??

Any help would be appreciated.

Thanks and regards
Iain G4DPF

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size=1 width="100%" noshade color="#aca899" align=center>

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1153 / Virus Database: 424/3240 - Release Date: 11/05/10

66. File - vhf-uhf PCB.jpg

Yahoo group: VK5JST_Analysers
Date: 2010-11-14 09:40:10 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 19 Message: 66
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf PCB.jpg
Description : PCB - populated

67. File - vhf-uhf front.JPG

Yahoo group: VK5JST_Analysers
Date: 2010-11-14 09:40:10 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 20 Message: 67
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf front.JPG
Description : Construction of Front Panel

68. File - vhf-uhf inside.jpg

Yahoo group: VK5JST_Analysers
Date: 2010-11-14 09:40:10 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 21 Message: 68
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf inside.jpg
Description : Internals (so far)

69. Awaiting the delivery of my kit.

Yahoo group: VK5JST_Analysers
Date: 2010-11-18 17:30:46 UTC
From: Scouse
Topic: 69 Message: 69

Hi All,
Been looking around for a good quality analyser for ages, then I came across this kit.
Looks the dogs danglies!
I do quite a bit of antenna building and this, like Stu G3OCR says, is a fraction of the MFJ item. Hopefully (he says everything crossed), I will be able to build this with few problems.
Not quite sure of programming the PICKAXE with my callsign, would be a nice touch however.

Best Wishes,
Brian G0VAX
from Not so sunny West Kirby.

70. Re: [VK5JST_Analysers] Awaiting the delivery of my kit.

Yahoo group: VK5JST_Analysers
Date: 2010-11-18 17:43:34 UTC
From: Stu Nutt
Topic: 69 Message: 70

Brian,

Not finished mine yet, but I plan on building more or less "as standard", and then add the mods when I have it working! (including the 6m mod)

You're only about 20 miles from me - I'm in Southport. Watch for me on 145.500 or the "Sausage and Scouse net" on GB3MP from 10 to mid-day!

(or my XYL - M6AIW)

Stu

----- Original Message -----
From: Scouse
To: VK5JST_Analysers@yahoogroups.com
Sent: Thursday, November 18, 2010 5:30 PM
Subject: [VK5JST_Analysers] Awaiting the delivery of my kit.

Hi All,
Been looking around for a good quality analyser for ages, then I came across this kit.
Looks the dogs danglies!
I do quite a bit of antenna building and this, like Stu G3OCR says, is a fraction of the MFJ item. Hopefully (he says everything crossed), I will be able to build this with few problems.
Not quite sure of programming the PICKAXE with my callsign, would be a nice touch however.

Best Wishes,
Brian G0VAX
from Not so sunny West Kirby.

71. Re: Awaiting the delivery of my kit.

Yahoo group: VK5JST_Analysers
Date: 2010-11-19 17:45:29 UTC
From: w2eec
Topic: 69 Message: 71

Hey Brian.
I have no got my 6M mod working yet but when I do get it going I'll post it on this group for all. Good luck with your build It is fun but if I can suggest something, please try to do the small ground points first before anything else. I think there were 6 or 7 of them and trust me they were much more harder to finish when everything else was done. Just my two cents. Wish you luck. Now i have to go and be in pain. I just got out of the hospital ES and found out I have 3 Kidney stones. Uggggg!

73 de W2EEC

Eric

--- In VK5JST_Analysers@yahoogroups.com, "Scouse" <briang0vax@...> wrote:
>
> Hi All,
> Been looking around for a good quality analyser for ages, then I came across this kit. Looks the dogs danglies!
> I do quite a bit of antenna building and this, like Stu G3OCR says, is a fraction of the MFJ item. Hopefully (he says everything crossed), I will be able to build this with few problems.
> Not quite sure of programming the PICKAXE with my callsign, would be a nice touch however.
>
> Best Wishes,
> Brian G0VAX
> from Not so sunny West Kirby.
>

72. Re: Awaiting the delivery of my kit.

Yahoo group: VK5JST_Analysers
Date: 2010-11-19 19:28:15 UTC
From: Scouse
Topic: 69 Message: 72

I've been reading the build notes for the kit, the only thing I can see that is a bit vague is the serial connection.. Is it a straight cable to the comport, or is it a crossover cable?
I wonder if a USB connection will be developed,,,,now theres a thought...
Think I may mark the components that have to be stood off the PCB so I don't forget.
The on/off switch, I may change for a center off item to enable me to use external power and/or charging.
Any thoughts gents?

Brian G0VAX
--- In VK5JST_Analysers@yahoogroups.com, "w2eec" <champine@...> wrote:
>
> Hey Brian.
> I have no got my 6M mod working yet but when I do get it going I'll post it on this group for all. Good luck with your build It is fun but if I can suggest something, please try to do the small ground points first before anything else. I think there were 6 or 7 of them and trust me they were much more harder to finish when everything else was done. Just my two cents. Wish you luck. Now i have to go and be in pain. I just got out of the hospital ES and found out I have 3 Kidney stones. Uggggg!
>
> 73 de W2EEC
>
> Eric
>
>
>
>
> --- In VK5JST_Analysers@yahoogroups.com, "Scouse" <briang0vax@> wrote:
> >
> > Hi All,
> > Been looking around for a good quality analyser for ages, then I came across this kit. Looks the dogs danglies!
> > I do quite a bit of antenna building and this, like Stu G3OCR says, is a fraction of the MFJ item. Hopefully (he says everything crossed), I will be able to build this with few problems.
> > Not quite sure of programming the PICKAXE with my callsign, would be a nice touch however.
> >
> > Best Wishes,
> > Brian G0VAX
> > from Not so sunny West Kirby.
> >
>

73. The kit is here!

Yahoo group: VK5JST_Analysers
Date: 2010-11-23 09:47:40 UTC
From: Scouse
Topic: 73 Message: 73

The kit finally arrived this morning.Top quality PCB, and facia!!!!
Top tip if you live in the UK.. when you order, ask the club to send it with a value of UNDER $30AUD,,, you pay no duty on it.

Brian G0VAX

74. D5 & D6 plus associated components...

Yahoo group: VK5JST_Analysers
Date: 2010-11-24 12:51:51 UTC
From: Scouse
Topic: 74 Message: 74

Hi All,
Just spent some quality time assembling the resistors and diodes on the pcb.
The bit in the instructions about D5 & D6, took a bit of time to work out which was which, but got there in the end. Maybe the notes should be marked up which components are to be mounted away from the board for less accomplished kit builders.
Just the capacitors to go, then 75% completed..

Brian G0VAX

75. Re: [VK5JST_Analysers] D5 & D6 plus associated components...

Yahoo group: VK5JST_Analysers
Date: 2010-11-24 13:35:48 UTC
From: Stu Nutt
Topic: 74 Message: 75

Thanks Brian - If it would help others perhaps a nice close-up of how you worked it out posted on the board here?

I was looking forward to getting started with my own HF model as soon as I got back from a long "Summer" business trip, but things have been toooo hectic with a new product launch (www.crazy4flavour.co.uk) and I haven't stopped so far!

Stu

----- Original Message -----
From: Scouse
To: VK5JST_Analysers@yahoogroups.com
Sent: Wednesday, November 24, 2010 12:51 PM
Subject: [VK5JST_Analysers] D5 & D6 plus associated components...

Hi All,
Just spent some quality time assembling the resistors and diodes on the pcb.
The bit in the instructions about D5 & D6, took a bit of time to work out which was which, but got there in the end. Maybe the notes should be marked up which components are to be mounted away from the board for less accomplished kit builders.
Just the capacitors to go, then 75% completed..

Brian G0VAX

76. New file uploaded to VK5JST_Analysers

Yahoo group: VK5JST_Analysers
Date: 2010-11-25 01:19:52 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 8 Message: 76

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the VK5JST_Analysers
group.

File : /D5 & D6 Components.docx
Uploaded by : g0vax <briang0vax@...>
Description : Detail of components that require mounting 1 or 2mm above PCB

You can access this file at the URL:
http://groups.yahoo.com/group/VK5JST_Analysers/files/D5%20%26%20D6%20Components.docx

To learn more about file sharing for your group, please visit:
http://help.yahoo.com/l/us/yahoo/groups/original/members/web/index.html
Regards,

g0vax <briang0vax@...>

77. File - vhf-uhf PCB.jpg

Yahoo group: VK5JST_Analysers
Date: 2010-11-28 09:35:24 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 19 Message: 77
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf PCB.jpg
Description : PCB - populated

78. File - vhf-uhf front.JPG

Yahoo group: VK5JST_Analysers
Date: 2010-11-28 09:35:24 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 20 Message: 78
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf front.JPG
Description : Construction of Front Panel

79. File - vhf-uhf inside.jpg

Yahoo group: VK5JST_Analysers
Date: 2010-11-28 09:35:24 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 21 Message: 79
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf inside.jpg
Description : Internals (so far)

80. Just Finished my kit.

Yahoo group: VK5JST_Analysers
Date: 2010-11-30 14:13:22 UTC
From: Scouse
Topic: 80 Message: 80

Hi All,
Just finished my kit,, works rather well straight away.
What i did find though, on the Antenna post, between the PCB and the nut, I had to put an insulated washer, as the nut wouls short out on the board.
Another top tip, the coarse tuning capacitor, when mounting it, cut the rather large legs off and solder an off cut wire leg to it,, saves having to start drilling the PCB.

Best Wishes

Brian G0VAX

81. Balun or "Unbalun"????

Yahoo group: VK5JST_Analysers
Date: 2010-12-07 16:46:02 UTC
From: Scouse
Topic: 81 Message: 81

Hi All,
Just been playing with my Analyser in the car. I have a G-Whip Flexiten on the boot, with coils for 80,60,40,30,20,17,15 & 10 mtrs (Ok, so hang me the antenna doesn't have a coil for 10!!)
Using the SWR meter on the IC-706 Mk.2, I can get 1:1 ish on spot frequencies withing the bands covered,,, when I plug it into the analyser, the readings are all over the place! Comming in out of the cold (-5 on the Wirral today), and having a cuppa tea, I am thinking,and looking at the analyser,,the two terminal posts,,maybe I should use a 1:1 balun instead of an SO239 with little wires to go into the terminal posts??? Anyone any ideas, or , am I just clutching at straws?

Brian G0VAX

82. Re: [VK5JST_Analysers] Balun or "Unbalun"????

Yahoo group: VK5JST_Analysers
Date: 2010-12-07 17:13:10 UTC
From: Stu Nutt
Topic: 81 Message: 82

First thing I would check is the SWR reading. At SOME point on a coax feed you will probably get a good SWR whatever the conditions at the base of the antenna. When I am using an SWR meter or analyser on any antenna I either try to position the meter at the feed-point for HF or at a half-wave or multiple length of feeder if that not possible or for VHF/UHF. Try extending the feeder by an "odd" length relative to a 1/2-wave.

Remember that a length of coax will transform impedances - so a random length of coax is only good at the rig if it is a perfect match to the antenna it's connected to (and the rig).

Are you using the length of coax that was supplied with the antenna? Could be that the antenna is not perfectly matched and the coax length is critical?

Have you checked the analyser against a known good (dummy) load? Have you checked it against known loads that are not 50 j0 ? (try making one up with a known resistance and capacitor)

Just some ideas!

----- Original Message -----
From: Scouse
To: VK5JST_Analysers@yahoogroups.com
Sent: Tuesday, December 07, 2010 4:46 PM
Subject: [VK5JST_Analysers] Balun or "Unbalun"????

Hi All,
Just been playing with my Analyser in the car. I have a G-Whip Flexiten on the boot, with coils for 80,60,40,30,20,17,15 & 10 mtrs (Ok, so hang me the antenna doesn't have a coil for 10!!)
Using the SWR meter on the IC-706 Mk.2, I can get 1:1 ish on spot frequencies withing the bands covered,,, when I plug it into the analyser, the readings are all over the place!
Comming in out of the cold (-5 on the Wirral today), and having a cuppa tea, I am thinking,and looking at the analyser,,the two terminal posts,,maybe I should use a 1:1 balun instead of an SO239 with little wires to go into the terminal posts??? Anyone any ideas, or , am I just clutching at straws?

Brian G0VAX

83. Re: Balun or "Unbalun"????

Yahoo group: VK5JST_Analysers
Date: 2010-12-07 17:28:33 UTC
From: Scouse
Topic: 81 Message: 83

Hi Stu,
I tried calling you on GB3MP a few times this week.
Ok, the antenna,,The coax is about 6 feet long,, it was about 14 feet,but I cut it down as it is only 12 inches away from the main unit of the radio, (The radio being installed in one of the hidey holes in the boot of a Peugeot 407).
The coax is wound up into a coil of about 6 inch diameter, then plugged into the rig.
I have checked the SWR using the in-built meter of the IC-706, AND double checked with an MFJ-949E whilst I lay in the back of the car with the seats down!!

Best wishes

Brian G0VAX
--- In VK5JST_Analysers@yahoogroups.com, "Stu Nutt" <stunutt@...> wrote:
>
> First thing I would check is the SWR reading. At SOME point on a coax feed you will probably get a good SWR whatever the conditions at the base of the antenna. When I am using an SWR meter or analyser on any antenna I either try to position the meter at the feed-point for HF or at a half-wave or multiple length of feeder if that not possible or for VHF/UHF. Try extending the feeder by an "odd" length relative to a 1/2-wave.
>
> Remember that a length of coax will transform impedances - so a random length of coax is only good at the rig if it is a perfect match to the antenna it's connected to (and the rig).
>
> Are you using the length of coax that was supplied with the antenna? Could be that the antenna is not perfectly matched and the coax length is critical?
>
> Have you checked the analyser against a known good (dummy) load? Have you checked it against known loads that are not 50 j0 ? (try making one up with a known resistance and capacitor)
>
> Just some ideas!
>
> ----- Original Message -----
> From: Scouse
> To: VK5JST_Analysers@...m
> Sent: Tuesday, December 07, 2010 4:46 PM
> Subject: [VK5JST_Analysers] Balun or "Unbalun"????
>
>
>
>
> Hi All,
> Just been playing with my Analyser in the car. I have a G-Whip Flexiten on the boot, with coils for 80,60,40,30,20,17,15 & 10 mtrs (Ok, so hang me the antenna doesn't have a coil for 10!!)

> Using the SWR meter on the IC-706 Mk.2, I can get 1:1 ish on spot frequencies withing the bands covered,,, when I plug it into the analyser, the readings are all over the place!
> Comming in out of the cold (-5 on the Wirral today), and having a cuppa tea, I am thinking,and looking at the analyser,,the two terminal posts,,maybe I should use a 1:1 balun instead of an SO239 with little wires to go into the terminal posts??? Anyone any ideas, or , am I just clutching at straws?
>
> Brian G0VAX
>

84. Re: [VK5JST_Analysers] Re: Balun or "Unbalun"????

Yahoo group: VK5JST_Analysers
Date: 2010-12-08 13:11:06 UTC
From: Stu Nutt
Topic: 81 Message: 84

So that's why you weren't around when I called in to MP this morning!

What you installed was not really a "balun", though it is often referred to as an "ugly balun". It's a choke, that stops an unbalanced antenna sending current to earth (or in your case, the car's chassis and -ve of the battery). It blocks current on the outside surface of the screen, while allowing the antenna current to flow normally on the inside and on the centre core. (remember "surface effect" - at RF, the outside and inside of the coax are actually 2 separate conductors).

I'm assuming that you are putting the "balun" between the analiser and the feed-line. I'm not really sure how the cu=ircuit analysisi works with this but, any time you need a choke-balun, it should be at the feed point of the antenna to stop the feeder screen radiating (TVI on indoor installations, pickup from domestic equipment if your coax runs to an indoor shack - possible glitching of car's eleectrnics and pickup of noise from ignition and other noisy circuits if mobile)

To use the analiser, I'd definitely put that box with the RG-58 (there's only in the order of a dB loss in 18 feet, even on 10m) somewhere near the base of the antenna. Then the analiser should give a reading that's not modified by your coax run from the antenna to the rig.

Another clue there was that you said the analiser was "hot" - you got a variation when you held the analiser. That's also an indication of a "hot" feeder (remember that the analiser is a very low-power transmitter an pushes RF up the feeder in order to make measurements, just as an SWR meter does). I've had similar problems whan using a borrowed MFJ 259 when experimenting with EH antennas - I had to ground the analiser chassis (or the outer of the feeder) with a VERY short piece of wire to stop it wandering all over the place when I came close or touched it or the outside of the coax. The final answer there was to install a similar choke just below the feed-point of the antenna.

----- Original Message -----
From: "Scouse" <briang0vax@...>
To: <stunutt@gmail.com>
Sent: Wednesday, December 08, 2010 12:24 PM
Subject: Baluns etc

Hi Stu,
Having had another play about this morning, I have solved the puzzle!
I made a coax balun with about 18ft of RG-58 (Noth the best choice, but it worked), wound into a coil 8 inches diameter, I managed to get a reading that is more or less in agreement with the two SWR meters I used.
It seems that just plugging the antenna in and hoping for the best isn't the correct way of doing things.
The coax was interacting with my hands and the analyser attached, so giving duff readings.
Next job,, make a smaller balun(line isolator) that will fit in the tupperware box with all the rest of the analyser kit!

Brian G0VAX

85. Re: Balun or "Unbalun"????

Yahoo group: VK5JST_Analysers
Date: 2010-12-08 17:39:24 UTC
From: Scouse
Topic: 81 Message: 85

Hi Stu,
I'll try and appear on MP tommorrow morning!!!
Yes, the "Ugly Balun", thats what I made.
The radio, I mounted at the furthest most point from the vehicle electronics (ECU,Telephony etc etc)and the antenna is 12 inches above it.
I have made the coax attached to the antenna mount into a coil 6 inches diameter right under the base, with the "flying lead" going straight into the back of the radio.
The "Ugly" I made, I connected to the flying lead, then onto the analyser,,this worked very well today.
As I had it yesterday, it was just 6ft of coax, loosely coiled into the storage void.

Best Wishes

Brian G0VAX

--- In VK5JST_Analysers@yahoogroups.com, "Stu Nutt" <stunutt@...> wrote:
>
> So that's why you weren't around when I called in to MP this morning!
>
> What you installed was not really a "balun", though it is often referred to as an "ugly balun". It's a choke, that stops an unbalanced antenna sending current to earth (or in your case, the car's chassis and -ve of the battery). It blocks current on the outside surface of the screen, while allowing the antenna current to flow normally on the inside and on the centre core. (remember "surface effect" - at RF, the outside and inside of the coax are actually 2 separate conductors).
>
> I'm assuming that you are putting the "balun" between the analiser and the feed-line. I'm not really sure how the cu=ircuit analysisi works with this but, any time you need a choke-balun, it should be at the feed point of the antenna to stop the feeder screen radiating (TVI on indoor installations, pickup from domestic equipment if your coax runs to an indoor shack - possible glitching of car's eleectrnics and pickup of noise from ignition and other noisy circuits if mobile)
>
> To use the analiser, I'd definitely put that box with the RG-58 (there's only in the order of a dB loss in 18 feet, even on 10m) somewhere near the base of the antenna. Then the analiser should give a reading that's not modified by your coax run from the antenna to the rig.
>
> Another clue there was that you said the analiser was "hot" - you got a variation when you held the analiser. That's also an indication of a "hot" feeder (remember that the analiser is a very low-power transmitter an pushes RF up the feeder in order to make measurements, just as an SWR meter does). I've had similar problems whan using a borrowed MFJ 259 when experimenting with EH antennas - I had to ground the analiser chassis (or the outer of the feeder) with a VERY short piece of wire to stop it wandering all over the place when I came close or touched it or the outside of the coax. The final answer there was to install a similar choke just below the feed-point of the antenna.

>
> ----- Original Message -----
> From: "Scouse" <briang0vax@...>
> To: <stunutt@...>
> Sent: Wednesday, December 08, 2010 12:24 PM
> Subject: Baluns etc
>
>
> Hi Stu,
> Having had another play about this morning, I have solved the puzzle!
> I made a coax balun with about 18ft of RG-58 (Noth the best choice, but it worked), wound into a coil 8 inches diameter, I managed to get a reading that is more or less in agreement with the two SWR meters I used.
> It seems that just plugging the antenna in and hoping for the best isn't the correct way of doing things.
> The coax was interacting with my hands and the analyser attached, so giving duff readings.
> Next job,, make a smaller balun(line isolator) that will fit in the tupperware box with all the rest of the analyser kit!
>
> Brian G0VAX
>

86. File - vhf-uhf PCB.jpg

Yahoo group: VK5JST_Analysers
Date: 2010-12-12 10:04:47 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 19 Message: 86
Attachments: 1 described; binary payloads are missing from this source WARC

```
File : vhf-uhf PCB.jpg
Description : PCB - populated
```

87. File - vhf-uhf front.JPG

Yahoo group: VK5JST_Analysers
Date: 2010-12-12 10:04:47 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 20 Message: 87
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf front.JPG
Description : Construction of Front Panel

88. File - vhf-uhf inside.jpg

Yahoo group: VK5JST_Analysers
Date: 2010-12-12 10:04:47 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 21 Message: 88
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf inside.jpg
Description : Internals (so far)

89. File - vhf-uhf PCB.jpg

Yahoo group: VK5JST_Analysers
Date: 2010-12-26 10:05:00 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 19 Message: 89
Attachments: 1 described; binary payloads are missing from this source WARC

```
File : vhf-uhf PCB.jpg
Description : PCB - populated
```

90. File - vhf-uhf front.JPG

Yahoo group: VK5JST_Analysers
Date: 2010-12-26 10:05:01 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 20 Message: 90
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf front.JPG
Description : Construction of Front Panel

91. File - vhf-uhf inside.jpg

Yahoo group: VK5JST_Analysers
Date: 2010-12-26 10:05:01 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 21 Message: 91
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf inside.jpg
Description : Internals (so far)

92. Build the analyser but frequency is not displayed

Yahoo group: VK5JST_Analysers
Date: 2010-12-28 20:54:43 UTC
From: Ton
Topic: 92 Message: 92

Hi all,

i finished building the analyzer, aligned it as written in the instruction manual, display gives all the info except the correct freqency, only 0.0000 mhz is displayed on all bands. The oscillator works perfect and the swr seems to be displayed good.
Anybody an idea what could be wrong?

73's Ton

93. Re: Build the analyser but frequency is not displayed

Yahoo group: VK5JST_Analysers
Date: 2010-12-29 03:10:35 UTC
From: John
Topic: 92 Message: 93

Ton,

Well, this may be kind of obvious, but there is no signal getting to the Picaxe I'd say, better check your wiring/soldering, you may have missed a solder joint.

Not that this will help but mine worked FB when first turned on, Oh, check that the Picaxe has all of it's pins in the socket, sometimes the pins miss.

GL es 73

John, VE3KKQ

94. Re: Build the analyser but frequency is not displayed

Yahoo group: VK5JST_Analysers
Date: 2010-12-29 11:02:58 UTC
From: Ton
Topic: 92 Message: 94

Hi John

i took out all ic's and rechecked and soldered all points, but still the same fault; on lowest band some strange values and on other bands 00.000 mhz. x, r and swr seems to display correct value, oscillator works perfect.

I already checked the internet and also send a mail to vk5gct.

thanks, 73's Ton pa1pxl

--- In VK5JST_Analysers@yahoogroups.com, "John" <jonie41@...> wrote:
>
> Ton,
>
>
>
> Well, this may be kind of obvious, but there is no signal getting to the
> Picaxe I'd say, better check your wiring/soldering, you may have missed a
> solder joint.
>
>
>
> Not that this will help but mine worked FB when first turned on, Oh, check
> that the Picaxe has all of it's pins in the socket, sometimes the pins miss.
>
>
>
> GL es 73
>
>
>
> John, VE3KKQ
>

95. Re: Build the analyser but frequency is not displayed

Yahoo group: VK5JST_Analysers
Date: 2010-12-29 12:11:17 UTC
From: Scouse
Topic: 92 Message: 95

Hi Ton,
as John says, double check the solder connections. As a last resort, if everything checks out, you could go as far as reloading the Pickaxe firmware??????
When I built mine I double checked for dry joints and continuity at every stage, worked first time.
I'm looking to program my name and call into the pickaxe now for a bit of individuality.

Brian G0VAX

--- In VK5JST_Analysers@yahoogroups.com, "John" <jonie41@...> wrote:
>
> Ton,
>
>
>
> Well, this may be kind of obvious, but there is no signal getting to the
> Picaxe I'd say, better check your wiring/soldering, you may have missed a
> solder joint.
>
>
>
> Not that this will help but mine worked FB when first turned on, Oh, check
> that the Picaxe has all of it's pins in the socket, sometimes the pins miss.
>
>
>
> GL es 73
>
>
>
> John, VE3KKQ
>

96. Re: Build the analyser but frequency is not displayed

Yahoo group: VK5JST_Analysers
Date: 2010-12-29 16:00:18 UTC
From: Ton
Topic: 92 Message: 96

Hi Brian (or anybody else)

what pin on the pickaxe is the input for the freq counter? I mean on what point can i check with an external counter if the signal is comming thru?

I'm not able to reprogram the pickaxe, maybe a fellow ham in my town.

To be continued.

73'Ton pa1pxl

--- In VK5JST_Analysers@yahoogroups.com, "Scouse" <briang0vax@...> wrote:
>
> Hi Ton,
> as John says, double check the solder connections. As a last resort, if everything checks out, you could go as far as reloading the Pickaxe firmware??????
> When I built mine I double checked for dry joints and continuity at every stage, worked first time.
> I'm looking to program my name and call into the pickaxe now for a bit of individuality.
>
> Brian G0VAX
>
> --- In VK5JST_Analysers@yahoogroups.com, "John" <jonie41@> wrote:
> >
> > Ton,
> >
> >
> >
> > Well, this may be kind of obvious, but there is no signal getting to the
> > Picaxe I'd say, better check your wiring/soldering, you may have missed a
> > solder joint.
> >
> >
> >
> > Not that this will help but mine worked FB when first turned on, Oh, check
> > that the Picaxe has all of it's pins in the socket, sometimes the pins miss.
> >
> >
> >
> > GL es 73
> >
> >
> >
> > John, VE3KKQ
> >
>

97. Re: Build the analyser but frequency is not displayed

Yahoo group: VK5JST_Analysers
Date: 2010-12-30 16:35:19 UTC
From: Scouse
Topic: 92 Message: 97

Hi Ton,
I couldn't tell you off the top of my head. I am using my phone to send and recieve emails at the moment as I am not at home.
When I get back i will look at the schematic.

Brian G0VAX

--- In VK5JST_Analysers@yahoogroups.com, "Ton" <tonrijnen@...> wrote:
>
> Hi Brian (or anybody else)
>
> what pin on the pickaxe is the input for the freq counter? I mean on what point can i check with an external counter if the signal is comming thru?
>
> I'm not able to reprogram the pickaxe, maybe a fellow ham in my town.
>
> To be continued.
>
> 73'Ton pa1pxl
>
> --- In VK5JST_Analysers@yahoogroups.com, "Scouse" <briang0vax@> wrote:
> >
> > Hi Ton,
> > as John says, double check the solder connections. As a last resort, if everything checks out, you could go as far as reloading the Pickaxe firmware??????
> > When I built mine I double checked for dry joints and continuity at every stage, worked first time.
> > I'm looking to program my name and call into the pickaxe now for a bit of individuality.
> >
> > Brian G0VAX
> >
> > --- In VK5JST_Analysers@yahoogroups.com, "John" <jonie41@> wrote:
> > >
> > > Ton,
> > >
> > >
> > >
> > > Well, this may be kind of obvious, but there is no signal getting to the
> > > Picaxe I'd say, better check your wiring/soldering, you may have missed a
> > > solder joint.
> > >
> > >
> > >
> > > Not that this will help but mine worked FB when first turned on, Oh, check

> > > that the Picaxe has all of it's pins in the socket, sometimes the pins miss.
> > >
> > >
> > >
> > > GL es 73
> > >
> > >
> > >
> > > John, VE3KKQ
> > >
> >
>

98. Re: Build the analyser but frequency is not displayed-solved

Yahoo group: VK5JST_Analysers
Date: 2010-12-30 18:25:50 UTC
From: Ton
Topic: 92 Message: 98

Hello Brian,

with the help of a fellow ham, problem is solved.
Checking the counter-part with a scope found that one connection to ground near 4040 was not good.
Now the analyser is working perfect.

Happy newyear to you all,

Ton pa1pxl

--- In VK5JST_Analysers@yahoogroups.com, "Scouse" <briang0vax@...> wrote:
>
> Hi Ton,
> I couldn't tell you off the top of my head. I am using my phone to send and recieve emails at the moment as I am not at home.
> When I get back i will look at the schematic.
>
> Brian G0VAX
>
> --- In VK5JST_Analysers@yahoogroups.com, "Ton" <tonrijnen@> wrote:
> >
> > Hi Brian (or anybody else)
> >
> > what pin on the pickaxe is the input for the freq counter? I mean on what point can i check with an external counter if the signal is comming thru?
> >
> > I'm not able to reprogram the pickaxe, maybe a fellow ham in my town.
> >
> > To be continued.
> >
> > 73'Ton pa1pxl
> >
> > --- In VK5JST_Analysers@yahoogroups.com, "Scouse" <briang0vax@> wrote:
> > >
> > > Hi Ton,
> > > as John says, double check the solder connections. As a last resort, if everything checks out, you could go as far as reloading the Pickaxe firmware??????
> > > When I built mine I double checked for dry joints and continuity at every stage, worked first time.
> > > I'm looking to program my name and call into the pickaxe now for a bit of individuality.
> > >
> > > Brian G0VAX
> > >
> > > --- In VK5JST_Analysers@yahoogroups.com, "John" <jonie41@> wrote:

> > > >
> > > > Ton,
> > > >
> > > >
> > > >
> > > > Well, this may be kind of obvious, but there is no signal getting to the
> > > > Picaxe I'd say, better check your wiring/soldering, you may have missed a
> > > > solder joint.
> > > >
> > > >
> > > >
> > > > Not that this will help but mine worked FB when first turned on, Oh, check
> > > > that the Picaxe has all of it's pins in the socket, sometimes the pins miss.
> > > >
> > > >
> > > >
> > > > GL es 73
> > > >
> > > >
> > > >
> > > > John, VE3KKQ
> > > >
> > >
> >
>

99. File - vhf-uhf front.JPG

Yahoo group: VK5JST_Analysers
Date: 2011-01-09 10:08:22 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 20 Message: 99
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf front.JPG
Description : Construction of Front Panel

100. File - vhf-uhf inside.jpg

Yahoo group: VK5JST_Analysers
Date: 2011-01-09 10:08:22 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 21 Message: 100
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf inside.jpg
Description : Internals (so far)

101. File - vhf-uhf PCB.jpg

Yahoo group: VK5JST_Analysers
Date: 2011-01-09 10:08:22 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 19 Message: 101
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf PCB.jpg
Description : PCB - populated

102. File - vhf-uhf PCB.jpg

Yahoo group: VK5JST_Analysers
Date: 2011-01-23 10:17:45 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 19 Message: 102
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf PCB.jpg
Description : PCB - populated

103. File - vhf-uhf front.JPG

Yahoo group: VK5JST_Analysers
Date: 2011-01-23 10:17:45 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 20 Message: 103
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf front.JPG
Description : Construction of Front Panel

104. File - vhf-uhf inside.jpg

Yahoo group: VK5JST_Analysers
Date: 2011-01-23 10:17:45 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 21 Message: 104
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf inside.jpg
Description : Internals (so far)

105. Re: File - vhf-uhf inside.jpg

Yahoo group: VK5JST_Analysers
Date: 2011-01-23 17:11:36 UTC
From: Gary
Topic: 21 Message: 105

I don't see the photos in either files or in your message. I see a place holder in the message however

Gary K8IZ

--- In VK5JST_Analysers@yahoogroups.com, VK5JST_Analysers@yahoogroups.com wrote:
>
>
>
> File : vhf-uhf inside.jpg
> Description : Internals (so far)
>

106. Re: [VK5JST_Analysers] Re: File - vhf-uhf inside.jpg

Yahoo group: VK5JST_Analysers
Date: 2011-01-23 19:34:15 UTC
From: Stu Nutt
Topic: 21 Message: 106

That was one of the first posts and the first set of pictures. For some odd reason, it announces itself about once a month! I've no idea how to stop this!

Stu
G3OCR

----- Original Message -----
From: Gary
To: VK5JST_Analysers@yahoogroups.com
Sent: Sunday, January 23, 2011 5:11 PM
Subject: [VK5JST_Analysers] Re: File - vhf-uhf inside.jpg

I don't see the photos in either files or in your message. I see a place holder in the message however

Gary K8IZ

--- In VK5JST_Analysers@yahoogroups.com, VK5JST_Analysers@yahoogroups.com wrote:
>
>
>
> File : vhf-uhf inside.jpg
> Description : Internals (so far)
>

107. Re: File - vhf-uhf inside.jpg

Yahoo group: VK5JST_Analysers
Date: 2011-01-26 17:39:12 UTC
From: Gary
Topic: 21 Message: 107

Ahh the forum demons are acting up. ;)

Thanks Stu for the reply I though something was not correct with my computer.

Gary K8IZ

--- In VK5JST_Analysers@yahoogroups.com, "Stu Nutt" <stunutt@...> wrote:
>
> That was one of the first posts and the first set of pictures. For some odd reason, it announces itself about once a month! I've no idea how to stop this!
>
> Stu
> G3OCR
>
> ----- Original Message -----
> From: Gary
> To: VK5JST_Analysers@yahoogroups.com
> Sent: Sunday, January 23, 2011 5:11 PM
> Subject: [VK5JST_Analysers] Re: File - vhf-uhf inside.jpg
>
>
>
> I don't see the photos in either files or in your message. I see a place holder in the message however
>
> Gary K8IZ
>
> --- In VK5JST_Analysers@yahoogroups.com, VK5JST_Analysers@yahoogroups.com wrote:
> >
> >
> >
> > File : vhf-uhf inside.jpg
> > Description : Internals (so far)
> >
>

108. File - vhf-uhf PCB.jpg

Yahoo group: VK5JST_Analysers
Date: 2011-02-06 10:06:46 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 19 Message: 108
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf PCB.jpg
Description : PCB - populated

109. File - vhf-uhf front.JPG

Yahoo group: VK5JST_Analysers
Date: 2011-02-06 10:06:46 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 20 Message: 109
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf front.JPG
Description : Construction of Front Panel

110. File - vhf-uhf inside.jpg

Yahoo group: VK5JST_Analysers
Date: 2011-02-06 10:06:46 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 21 Message: 110
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf inside.jpg
Description : Internals (so far)

111. File - vhf-uhf PCB.jpg

Yahoo group: VK5JST_Analysers
Date: 2011-02-20 10:03:53 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 19 Message: 111
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf PCB.jpg
Description : PCB - populated

112. File - vhf-uhf front.JPG

Yahoo group: VK5JST_Analysers
Date: 2011-02-20 10:03:53 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 20 Message: 112
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf front.JPG
Description : Construction of Front Panel

113. File - vhf-uhf inside.jpg

Yahoo group: VK5JST_Analysers
Date: 2011-02-20 10:03:53 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 21 Message: 113
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf inside.jpg
Description : Internals (so far)

114. File - vhf-uhf front.JPG

Yahoo group: VK5JST_Analysers
Date: 2011-03-06 10:05:38 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 20 Message: 114
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf front.JPG
Description : Construction of Front Panel

115. File - vhf-uhf PCB.jpg

Yahoo group: VK5JST_Analysers
Date: 2011-03-06 10:05:38 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 19 Message: 115
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf PCB.jpg
Description : PCB - populated

116. File - vhf-uhf inside.jpg

Yahoo group: VK5JST_Analysers
Date: 2011-03-06 10:05:38 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 21 Message: 116
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf inside.jpg
Description : Internals (so far)

117. File - vhf-uhf PCB.jpg

Yahoo group: VK5JST_Analysers
Date: 2011-03-20 09:02:39 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 19 Message: 117
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf PCB.jpg
Description : PCB - populated

118. File - vhf-uhf front.JPG

Yahoo group: VK5JST_Analysers
Date: 2011-03-20 09:02:39 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 20 Message: 118
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf front.JPG
Description : Construction of Front Panel

119. File - vhf-uhf inside.jpg

Yahoo group: VK5JST_Analysers
Date: 2011-03-20 09:02:39 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 21 Message: 119
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf inside.jpg
Description : Internals (so far)

120. File - vhf-uhf front.JPG

Yahoo group: VK5JST_Analysers
Date: 2011-04-03 10:51:24 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 20 Message: 120
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf front.JPG
Description : Construction of Front Panel

121. File - vhf-uhf PCB.jpg

Yahoo group: VK5JST_Analysers
Date: 2011-04-03 10:51:24 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 19 Message: 121
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf PCB.jpg
Description : PCB - populated

122. File - vhf-uhf inside.jpg

Yahoo group: VK5JST_Analysers
Date: 2011-04-03 10:51:24 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 21 Message: 122
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf inside.jpg
Description : Internals (so far)

123. Interference from MW broadcast stations

Yahoo group: VK5JST_Analysers
Date: 2011-04-07 18:15:54 UTC
From: w5dhm
Topic: 123 Message: 123

After calibration, the HF analyser seemed to work fine on the bench, so I decided to see what my 40 meter loop antenna looked like. I could tell that it was giving readings in the area that I expected, but they were varying wildly around the expected values. Looking with a scope at test points 3 and 4 showed lots of what appeared to be audio. Sure enough, a high impedance earphone connected to one of these points played the local AM stations loud and clear. Perhaps smaller antennas wouldn't have caused such a problem. I had previously realized that the loop made a pretty good MW receive antenna. I have a 2500 watt station about three miles away, and a 5000 watt station six miles away.

It seemed that IC1 and IC2 could surely do without any gain at audio frequencies and above, so I gathered up a few small .1 mfd caps and put one between pins 8 and 9, and pins 6 and 7 of each chip, to reduce the gain in the audio range. I also added .1 caps across the existing ones at pins 10 and 5 of IC1 while I was doing the job. This had no effect on the DC operation of the op amps, and it took care of the problem. Without this mod, the very handy analyser would have been relegated to the bench for "lab" work.

Has anyone else experienced this sort of problem? And if so, what was the cure? In my case the capacitors were on hand, and it didn't take long to add them, nor would it take long to remove them if someone has a better solution.

Dave W5DHM

124. Re: [VK5JST_Analysers] Interference from MW broadcast stations

Yahoo group: VK5JST_Analysers
Date: 2011-04-07 21:58:50 UTC
From: Stu at Crazy4Flavour
Topic: 123 Message: 124

I suspect I had the same problem, or a similar one when I last used an MFJ to set up an antenna. Thanks for the tip

Stu

----- Original Message -----
From: w5dhm
To: VK5JST_Analysers@yahoogroups.com
Sent: Thursday, April 07, 2011 7:15 PM
Subject: [VK5JST_Analysers] Interference from MW broadcast stations

After calibration, the HF analyser seemed to work fine on the bench, so I decided to see what my 40 meter loop antenna looked like. I could tell that it was giving readings in the area that I expected, but they were varying wildly around the expected values. Looking with a scope at test points 3 and 4 showed lots of what appeared to be audio. Sure enough, a high impedance earphone connected to

125. File - vhf-uhf front.JPG

Yahoo group: VK5JST_Analysers
Date: 2011-04-17 08:51:33 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 20 Message: 125
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf front.JPG
Description : Construction of Front Panel

126. File - vhf-uhf PCB.jpg

Yahoo group: VK5JST_Analysers
Date: 2011-04-17 08:51:33 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 19 Message: 126
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf PCB.jpg
Description : PCB - populated

127. File - vhf-uhf inside.jpg

Yahoo group: VK5JST_Analysers
Date: 2011-04-17 08:51:33 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 21 Message: 127
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf inside.jpg
Description : Internals (so far)

128. Analyser kit finished and working

Yahoo group: VK5JST_Analysers
Date: 2011-04-18 13:37:21 UTC
From: woodiescbj
Topic: 128 Message: 128

Hi to all memebers,

I have just completed the analyser kit and after a couple of minor problems that were my fault alone (yes those 4k7 47k resistors again) a dry solder joint and putting the top two IC's in the wrong holders, for some reason I thought both IC's were the same like the two on the bottom right, but the chances were still 50/50 of getting it right and I still got it wrong, the analyser is working well.

Many thanks to VK5JST and to the South Coast Amateur Radio Club inc. for making such a great kit available.

Vy 73 de DD5CF Colin, ex G1ZOS

129. File - vhf-uhf front.JPG

Yahoo group: VK5JST_Analysers
Date: 2011-05-01 08:56:36 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 20 Message: 129
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf front.JPG
Description : Construction of Front Panel

130. File - vhf-uhf PCB.jpg

Yahoo group: VK5JST_Analysers
Date: 2011-05-01 08:56:36 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 19 Message: 130
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf PCB.jpg
Description : PCB - populated

131. File - vhf-uhf inside.jpg

Yahoo group: VK5JST_Analysers
Date: 2011-05-01 08:56:36 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 21 Message: 131
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf inside.jpg
Description : Internals (so far)

132. File - vhf-uhf PCB.jpg

Yahoo group: VK5JST_Analysers
Date: 2011-05-15 08:59:16 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 19 Message: 132
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf PCB.jpg
Description : PCB - populated

133. File - vhf-uhf front.JPG

Yahoo group: VK5JST_Analysers
Date: 2011-05-15 08:59:16 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 20 Message: 133
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf front.JPG
Description : Construction of Front Panel

134. File - vhf-uhf inside.jpg

Yahoo group: VK5JST_Analysers
Date: 2011-05-15 08:59:16 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 21 Message: 134
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf inside.jpg
Description : Internals (so far)

135. File - vhf-uhf front.JPG

Yahoo group: VK5JST_Analysers
Date: 2011-05-29 09:01:23 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 20 Message: 135
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf front.JPG
Description : Construction of Front Panel

136. File - vhf-uhf PCB.jpg

Yahoo group: VK5JST_Analysers
Date: 2011-05-29 09:01:23 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 19 Message: 136
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf PCB.jpg
Description : PCB - populated

137. File - vhf-uhf inside.jpg

Yahoo group: VK5JST_Analysers
Date: 2011-05-29 09:01:23 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 21 Message: 137
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf inside.jpg
Description : Internals (so far)

138. File - vhf-uhf PCB.jpg

Yahoo group: VK5JST_Analysers
Date: 2011-06-12 09:03:54 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 19 Message: 138
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf PCB.jpg
Description : PCB - populated

139. File - vhf-uhf front.JPG

Yahoo group: VK5JST_Analysers
Date: 2011-06-12 09:03:54 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 20 Message: 139
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf front.JPG
Description : Construction of Front Panel

140. File - vhf-uhf inside.jpg

Yahoo group: VK5JST_Analysers
Date: 2011-06-12 09:03:54 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 21 Message: 140
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf inside.jpg
Description : Internals (so far)

141. File - vhf-uhf PCB.jpg

Yahoo group: VK5JST_Analysers
Date: 2011-06-26 09:08:11 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 19 Message: 141
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf PCB.jpg
Description : PCB - populated

142. File - vhf-uhf front.JPG

Yahoo group: VK5JST_Analysers
Date: 2011-06-26 09:08:11 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 20 Message: 142
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf front.JPG
Description : Construction of Front Panel

143. File - vhf-uhf inside.jpg

Yahoo group: VK5JST_Analysers
Date: 2011-06-26 09:08:11 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 21 Message: 143
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf inside.jpg
Description : Internals (so far)

144. File - vhf-uhf PCB.jpg

Yahoo group: VK5JST_Analysers
Date: 2011-07-10 09:09:16 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 19 Message: 144
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf PCB.jpg
Description : PCB - populated

145. File - vhf-uhf front.JPG

Yahoo group: VK5JST_Analysers
Date: 2011-07-10 09:09:16 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 20 Message: 145
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf front.JPG
Description : Construction of Front Panel

146. File - vhf-uhf inside.jpg

Yahoo group: VK5JST_Analysers
Date: 2011-07-10 09:09:16 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 21 Message: 146
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf inside.jpg
Description : Internals (so far)

147. File - vhf-uhf PCB.jpg

Yahoo group: VK5JST_Analysers
Date: 2011-07-24 09:11:54 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 19 Message: 147
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf PCB.jpg
Description : PCB - populated

148. File - vhf-uhf front.JPG

Yahoo group: VK5JST_Analysers
Date: 2011-07-24 09:11:54 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 20 Message: 148
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf front.JPG
Description : Construction of Front Panel

149. File - vhf-uhf inside.jpg

Yahoo group: VK5JST_Analysers
Date: 2011-07-24 09:11:54 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 21 Message: 149
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf inside.jpg
Description : Internals (so far)

150. File - vhf-uhf PCB.jpg

Yahoo group: VK5JST_Analysers
Date: 2011-08-07 09:21:58 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 19 Message: 150
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf PCB.jpg
Description : PCB - populated

151. File - vhf-uhf front.JPG

Yahoo group: VK5JST_Analysers
Date: 2011-08-07 09:21:58 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 20 Message: 151
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf front.JPG
Description : Construction of Front Panel

152. File - vhf-uhf inside.jpg

Yahoo group: VK5JST_Analysers
Date: 2011-08-07 09:21:59 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 21 Message: 152
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf inside.jpg
Description : Internals (so far)

153. File - vhf-uhf PCB.jpg

Yahoo group: VK5JST_Analysers
Date: 2011-08-21 09:28:04 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 19 Message: 153
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf PCB.jpg
Description : PCB - populated

154. File - vhf-uhf front.JPG

Yahoo group: VK5JST_Analysers
Date: 2011-08-21 09:28:04 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 20 Message: 154
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf front.JPG
Description : Construction of Front Panel

155. File - vhf-uhf inside.jpg

Yahoo group: VK5JST_Analysers
Date: 2011-08-21 09:28:04 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 21 Message: 155
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf inside.jpg
Description : Internals (so far)

156. File - vhf-uhf PCB.jpg

Yahoo group: VK5JST_Analysers
Date: 2011-09-04 09:44:55 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 19 Message: 156
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf PCB.jpg
Description : PCB - populated

157. File - vhf-uhf front.JPG

Yahoo group: VK5JST_Analysers
Date: 2011-09-04 09:44:55 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 20 Message: 157
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf front.JPG
Description : Construction of Front Panel

158. File - vhf-uhf inside.jpg

Yahoo group: VK5JST_Analysers
Date: 2011-09-04 09:44:55 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 21 Message: 158
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf inside.jpg
Description : Internals (so far)

159. SWR 0:00

Yahoo group: VK5JST_Analysers
Date: 2011-09-11 17:57:15 UTC
From: Iain
Topic: 159 Message: 159

When my analyser is displaying and swr of 0.00 what is it trying to tell me ?
Thanks in anticipation
Iain G4DPF

160. Re: [VK5JST_Analysers] SWR 0:00

Yahoo group: VK5JST_Analysers
Date: 2011-09-12 04:47:11 UTC
From: Stu Nutt
Topic: 159 Message: 160

I think it's telling you that something is wrong with it! I'd suggest to go back through the test and setup procedure.

Stu

----- Original Message -----
From: Iain
To: VK5JST_Analysers@yahoogroups.com
Sent: Sunday, September 11, 2011 9:57 PM
Subject: [VK5JST_Analysers] SWR 0:00

When my analyser is displaying and swr of 0.00 what is it trying to tell me ?
Thanks in anticipation
Iain G4DPF

161. File - vhf-uhf PCB.jpg

Yahoo group: VK5JST_Analysers
Date: 2011-09-18 10:01:09 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 19 Message: 161
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf PCB.jpg
Description : PCB - populated

162. File - vhf-uhf front.JPG

Yahoo group: VK5JST_Analysers
Date: 2011-09-18 10:01:09 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 20 Message: 162
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf front.JPG
Description : Construction of Front Panel

163. File - vhf-uhf inside.jpg

Yahoo group: VK5JST_Analysers
Date: 2011-09-18 10:01:09 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 21 Message: 163
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf inside.jpg
Description : Internals (so far)

164. File - vhf-uhf PCB.jpg

Yahoo group: VK5JST_Analysers
Date: 2011-10-02 10:13:17 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 19 Message: 164
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf PCB.jpg
Description : PCB - populated

165. File - vhf-uhf front.JPG

Yahoo group: VK5JST_Analysers
Date: 2011-10-02 10:13:17 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 20 Message: 165
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf front.JPG
Description : Construction of Front Panel

166. File - vhf-uhf inside.jpg

Yahoo group: VK5JST_Analysers
Date: 2011-10-02 10:13:17 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 21 Message: 166
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf inside.jpg
Description : Internals (so far)

167. File - vhf-uhf PCB.jpg

Yahoo group: VK5JST_Analysers
Date: 2011-10-16 09:28:23 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 19 Message: 167
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf PCB.jpg
Description : PCB - populated

168. File - vhf-uhf front.JPG

Yahoo group: VK5JST_Analysers
Date: 2011-10-16 09:28:23 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 20 Message: 168
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf front.JPG
Description : Construction of Front Panel

169. File - vhf-uhf inside.jpg

Yahoo group: VK5JST_Analysers
Date: 2011-10-16 09:28:23 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 21 Message: 169
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf inside.jpg
Description : Internals (so far)

170. File - vhf-uhf PCB.jpg

Yahoo group: VK5JST_Analysers
Date: 2011-10-30 09:36:20 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 19 Message: 170
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf PCB.jpg
Description : PCB - populated

171. File - vhf-uhf front.JPG

Yahoo group: VK5JST_Analysers
Date: 2011-10-30 09:36:21 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 20 Message: 171
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf front.JPG
Description : Construction of Front Panel

172. File - vhf-uhf inside.jpg

Yahoo group: VK5JST_Analysers
Date: 2011-10-30 09:36:21 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 21 Message: 172
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf inside.jpg
Description : Internals (so far)

173. File - vhf-uhf front.JPG

Yahoo group: VK5JST_Analysers
Date: 2011-11-13 10:22:21 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 20 Message: 173
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf front.JPG
Description : Construction of Front Panel

174. File - vhf-uhf PCB.jpg

Yahoo group: VK5JST_Analysers
Date: 2011-11-13 10:22:21 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 19 Message: 174
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf PCB.jpg
Description : PCB - populated

175. File - vhf-uhf inside.jpg

Yahoo group: VK5JST_Analysers
Date: 2011-11-13 10:22:21 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 21 Message: 175
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf inside.jpg
Description : Internals (so far)

176. File - vhf-uhf front.JPG

Yahoo group: VK5JST_Analysers
Date: 2011-11-27 10:16:20 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 20 Message: 176
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf front.JPG
Description : Construction of Front Panel

177. File - vhf-uhf PCB.jpg

Yahoo group: VK5JST_Analysers
Date: 2011-11-27 10:16:20 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 19 Message: 177
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf PCB.jpg
Description : PCB - populated

178. File - vhf-uhf inside.jpg

Yahoo group: VK5JST_Analysers
Date: 2011-11-27 10:16:20 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 21 Message: 178
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf inside.jpg
Description : Internals (so far)

179. File - vhf-uhf PCB.jpg

Yahoo group: VK5JST_Analysers
Date: 2011-12-11 10:08:59 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 19 Message: 179
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf PCB.jpg
Description : PCB - populated

180. File - vhf-uhf front.JPG

Yahoo group: VK5JST_Analysers
Date: 2011-12-11 10:08:59 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 20 Message: 180
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf front.JPG
Description : Construction of Front Panel

181. File - vhf-uhf inside.jpg

Yahoo group: VK5JST_Analysers
Date: 2011-12-11 10:08:59 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 21 Message: 181
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf inside.jpg
Description : Internals (so far)

182. File - vhf-uhf PCB.jpg

Yahoo group: VK5JST_Analysers
Date: 2011-12-25 09:58:02 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 19 Message: 182
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf PCB.jpg
Description : PCB - populated

183. File - vhf-uhf front.JPG

Yahoo group: VK5JST_Analysers
Date: 2011-12-25 09:58:02 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 20 Message: 183
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf front.JPG
Description : Construction of Front Panel

184. File - vhf-uhf inside.jpg

Yahoo group: VK5JST_Analysers
Date: 2011-12-25 09:58:02 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 21 Message: 184
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf inside.jpg
Description : Internals (so far)

185. Need some help...new kitbuilder

Yahoo group: VK5JST_Analysers
Date: 2011-12-26 13:12:45 UTC
From: spyguy23838
Topic: 185 Message: 185

I have just competed building a kit and am having some problems. The unit functions but has low output or no output on some portions of the upper 2 bands. The bottom 3 bands work fine and it calibrates properly so I'm pretty sure the problem is in the oscillator/agc/amplifier section. On the top 2 bands, the output is low and it stops working as I go DOWN in frequency from the top of each band. For example, it wil display 32 MHZ but stops working at 29 MHz. Looking at the binding posts output with a scope, the waveforms are not distortd, but are only 2 volts p-p even on the low bands. Amplitude drops off considerably on the higher 2 bands.
Has anyone seen this problem?? Any suggestions??
Thanks and 73
Don K7MX

186. File - vhf-uhf PCB.jpg

Yahoo group: VK5JST_Analysers
Date: 2012-01-08 09:49:29 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 19 Message: 186
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf PCB.jpg
Description : PCB - populated

187. File - vhf-uhf front.JPG

Yahoo group: VK5JST_Analysers
Date: 2012-01-08 09:49:29 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 20 Message: 187
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf front.JPG
Description : Construction of Front Panel

188. File - vhf-uhf inside.jpg

Yahoo group: VK5JST_Analysers
Date: 2012-01-08 09:49:29 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 21 Message: 188
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf inside.jpg
Description : Internals (so far)

189. File - vhf-uhf PCB.jpg

Yahoo group: VK5JST_Analysers
Date: 2012-01-22 09:16:36 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 19 Message: 189
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf PCB.jpg
Description : PCB - populated

190. File - vhf-uhf front.JPG

Yahoo group: VK5JST_Analysers
Date: 2012-01-22 09:16:36 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 20 Message: 190
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf front.JPG
Description : Construction of Front Panel

191. File - vhf-uhf inside.jpg

Yahoo group: VK5JST_Analysers
Date: 2012-01-22 09:16:36 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 21 Message: 191
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf inside.jpg
Description : Internals (so far)

192. File - vhf-uhf PCB.jpg

Yahoo group: VK5JST_Analysers
Date: 2012-02-05 09:01:43 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 19 Message: 192
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf PCB.jpg
Description : PCB - populated

193. File - vhf-uhf front.JPG

Yahoo group: VK5JST_Analysers
Date: 2012-02-05 09:01:43 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 20 Message: 193
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf front.JPG
Description : Construction of Front Panel

194. File - vhf-uhf inside.jpg

Yahoo group: VK5JST_Analysers
Date: 2012-02-05 09:01:43 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 21 Message: 194
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf inside.jpg
Description : Internals (so far)

195. File - vhf-uhf PCB.jpg

Yahoo group: VK5JST_Analysers
Date: 2012-02-19 08:48:43 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 19 Message: 195
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf PCB.jpg
Description : PCB - populated

196. File - vhf-uhf front.JPG

Yahoo group: VK5JST_Analysers
Date: 2012-02-19 08:48:44 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 20 Message: 196
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf front.JPG
Description : Construction of Front Panel

197. File - vhf-uhf inside.jpg

Yahoo group: VK5JST_Analysers
Date: 2012-02-19 08:48:44 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 21 Message: 197
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf inside.jpg
Description : Internals (so far)

198. File - vhf-uhf PCB.jpg

Yahoo group: VK5JST_Analysers
Date: 2012-03-04 08:44:09 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 19 Message: 198
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf PCB.jpg
Description : PCB - populated

199. File - vhf-uhf inside.jpg

Yahoo group: VK5JST_Analysers
Date: 2012-03-04 08:44:09 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 21 Message: 199
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf inside.jpg
Description : Internals (so far)

200. File - vhf-uhf front.JPG

Yahoo group: VK5JST_Analysers
Date: 2012-03-04 08:44:09 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 20 Message: 200
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf front.JPG
Description : Construction of Front Panel

201. Re: [VK5JST_Analysers] Some interesting mods . . . .

Yahoo group: VK5JST_Analysers
Date: 2012-03-10 19:22:54 UTC
From: Stu Nutt
Topic: 201 Message: 201

I've just come across some interesting mods to the analyser:

http://www.pa0fri.geerligs.com/

But I (as does PA0FRI) would suggest building the analyser and getting it working first.

Stu, G3OCR

202. Front panel drill info required

Yahoo group: VK5JST_Analysers
Date: 2012-03-12 09:01:28 UTC
From: yo6ssw
Topic: 202 Message: 202

Hello gang,

I purchased a VK5JST antenna analyzer kit back in 2011 and I managed to put it together and even use it to tune my balcony mounted Buddistick vertical.

However, I had some problems mounting it in the provided case because my mechanical skills are close to none. I made a mess out of the front panel by failing to drill the holes in the proper places.

I have purchased a replacement box from ebay and I would now like to get the holes right :-) Would anybody be so kind and help me by specifying the locations relative to the four mounting holes provided in the front panel and the width of the holes to be drilled?

Thank you

73! de Adrian, YO6SSW

203. Re: [VK5JST_Analysers] Front panel drill info required

Yahoo group: VK5JST_Analysers
Date: 2012-03-14 08:52:54 UTC
From: Stu Nutt
Topic: 202 Message: 203

Hi Adrian,

I tried to post the full instructions in the group's files list, but it appears that Yahoo won't let me post PDF files. Odd!

I've emailed the PDF to you - if you haven't received them, email me.

Stu

----- Original Message -----
From: yo6ssw
To: VK5JST_Analysers@...m
Sent: Monday, March 12, 2012 12:01 PM
Subject: [VK5JST_Analysers] Front panel drill info required

Hello gang,

I purchased a VK5JST antenna analyzer kit back in 2011 and I managed to put it together and even use it to tune my balcony mounted Buddistick vertical.

However, I had some problems mounting it in the provided case because my mechanical skills are close to none. I made a mess out of the front panel by failing to drill the holes in the proper places.

I have purchased a replacement box from ebay and I would now like to get the holes right :-) Would anybody be so kind and help me by specifying the locations relative to the four mounting holes provided in the front panel and the width of the holes to be drilled?

Thank you

73! de Adrian, YO6SSW

204. Re: Front panel drill info required

Yahoo group: VK5JST_Analysers
Date: 2012-03-15 11:24:43 UTC
From: yo6ssw
Topic: 202 Message: 204

Hi Stu,

Thank you very much for the info. I have received the PDF in the email and it contains all the info needed for the VHF/UHF. However, I was actually referring to the HF analyzer version that is posted on Jim's homepage (http://users.on.net/~endsodds/analsr.htm).

I contacted Jim through email and he was kind enough to help me out and provide the info I needed. I will try to post the PDF file he provided in the files section of the group.

73 es best regards,
Adrian
YO6SSW

--- In VK5JST_Analysers@yahoogroups.com, "Stu Nutt" <stunutt@...> wrote:
>
> Hi Adrian,
>
> I tried to post the full instructions in the group's files list, but it appears that Yahoo won't let me post PDF files. Odd!
>
> I've emailed the PDF to you - if you haven't received them, email me.
>
> Stu
>
> ----- Original Message -----
> From: yo6ssw
> To: VK5JST_Analysers@yahoogroups.com
> Sent: Monday, March 12, 2012 12:01 PM
> Subject: [VK5JST_Analysers] Front panel drill info required
>
>
>
> Hello gang,
>
> I purchased a VK5JST antenna analyzer kit back in 2011 and I managed to put it together and even use it to tune my balcony mounted Buddistick vertical.
>
> However, I had some problems mounting it in the provided case because my mechanical skills are close to none. I made a mess out of the front panel by failing to drill the holes in the proper places.
>
> I have purchased a replacement box from ebay and I would now like to get the holes right :-) Would anybody be so kind and help me by specifying the locations relative to the four mounting holes provided in the front panel and the width of the holes to be drilled?
>
> Thank you

>
> 73! de Adrian, YO6SSW
>

205. New file uploaded to VK5JST_Analysers

Yahoo group: VK5JST_Analysers
Date: 2012-03-15 11:26:49 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 8 Message: 205

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the VK5JST_Analysers
group.

File : /HF analyzer docs/AnalyserFrontPanelDetails.pdf
Uploaded by : yo6ssw <benishor@...>
Description : Front panel drilling info

You can access this file at the URL:
http://groups.yahoo.com/group/VK5JST_Analysers/files/HF%20analyzer%20docs/AnalyserFrontPanelDetails.pdf

To learn more about file sharing for your group, please visit:
http://help.yahoo.com/l/us/yahoo/groups/original/members/web/index.html
Regards,

yo6ssw <benishor@...>

206. Re: [VK5JST_Analysers] Re: Front panel drill info required

Yahoo group: VK5JST_Analysers
Date: 2012-03-15 14:00:53 UTC
From: Stu Nutt
Topic: 202 Message: 206

Thanks, Adrian - Glad you spotted that before you started drilling!

Stu

----- Original Message -----
From: yo6ssw
To: VK5JST_Analysers@yahoogroups.com
Sent: Thursday, March 15, 2012 2:24 PM
Subject: [VK5JST_Analysers] Re: Front panel drill info required

Hi Stu,

Thank you very much for the info. I have received the PDF in the email and it contains all the info needed for the VHF/UHF. However, I was actually referring to the HF analyzer version that is posted on Jim's homepage (http://users.on.net/~endsodds/analsr.htm).

I contacted Jim through email and he was kind enough to help me out and provide the info I needed. I will try to post the PDF file he provided in the files section of the group.

73 es best regards,
Adrian
YO6SSW

--- In VK5JST_Analysers@yahoogroups.com, "Stu Nutt" <stunutt@...> wrote:
>
> Hi Adrian,
>
> I tried to post the full instructions in the group's files list, but it appears that Yahoo won't let me post PDF files. Odd!
>
> I've emailed the PDF to you - if you haven't received them, email me.
>
> Stu
>
> ----- Original Message -----
> From: yo6ssw
> To: VK5JST_Analysers@yahoogroups.com
> Sent: Monday, March 12, 2012 12:01 PM
> Subject: [VK5JST_Analysers] Front panel drill info required
>
>
>
> Hello gang,
>
> I purchased a VK5JST antenna analyzer kit back in 2011 and I managed to put it together and even use it to tune my balcony mounted Buddistick vertical.
>

> However, I had some problems mounting it in the provided case because my mechanical skills are close to none. I made a mess out of the front panel by failing to drill the holes in the proper places.
>
> I have purchased a replacement box from ebay and I would now like to get the holes right :-) Would anybody be so kind and help me by specifying the locations relative to the four mounting holes provided in the front panel and the width of the holes to be drilled?
>
> Thank you
>
> 73! de Adrian, YO6SSW
>

207. Finished analyser but, having problems setting up!

Yahoo group: VK5JST_Analysers
Date: 2012-03-16 18:52:07 UTC
From: stacywilliams6908
Topic: 207 Message: 207

Hi all

At the moment, the battery and, all the other connections have been fitted and connected as per the instructions. As far as setting up goes, the checks on the regulator were fine with exactly 5v.

However, regarding the voltage on IC1 pin14 there was no voltage present! Also, which chip exactly is IC1? Im sure its one of the opamps but, Im really not sure which one! As it does not clearly point this out in the instructions.

Also, i am confused about the earthing of the variable capacitor and switch with the inductors. Should there be an earth wire connecting these two components? If so where should I connect the wire on both the components?

On the reverse side of the PCB, i have gone over all my solder joints with flux and solder. At first, some of the solder joints looked a little shady, but after a little rework, I feel much more confident that they are good joints.

Next, Im going to revisit the earth joints with the iron and flux too, just in case!

Another problem during the build was the BC548s, the wrong legs were removed from one of the pair, it was then replaced by a solitary BC547. Which according to the notes is eactly the same as the 548, literally pin for pin. Perhaps, I should pluck the other 548 from the board and replace it with a 547?

Additionally, im going to recheck all the resistor values to ensure they are correct with regards to the instructions.

Apart from what has already been mentioned, I can not decide, should any further checks or rework be attempted.

I would be most grateful for other's thoughts and ideas regarding my dificulties bringing this device into service.

Regards & 73
m0wsa
Stacy Williams

208. File - vhf-uhf front.JPG

Yahoo group: VK5JST_Analysers
Date: 2012-03-18 07:37:49 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 20 Message: 208
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf front.JPG
Description : Construction of Front Panel

209. File - vhf-uhf inside.jpg

Yahoo group: VK5JST_Analysers
Date: 2012-03-18 07:37:49 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 21 Message: 209
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf inside.jpg
Description : Internals (so far)

210. File - vhf-uhf PCB.jpg

Yahoo group: VK5JST_Analysers
Date: 2012-03-18 07:37:49 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 19 Message: 210
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf PCB.jpg
Description : PCB - populated

211. File - vhf-uhf PCB.jpg

Yahoo group: VK5JST_Analysers
Date: 2012-04-01 07:32:40 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 19 Message: 211
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf PCB.jpg
Description : PCB - populated

212. File - vhf-uhf front.JPG

Yahoo group: VK5JST_Analysers
Date: 2012-04-01 07:32:40 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 20 Message: 212
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf front.JPG
Description : Construction of Front Panel

213. File - vhf-uhf inside.jpg

Yahoo group: VK5JST_Analysers
Date: 2012-04-01 07:32:40 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 21 Message: 213
Attachments: 1 described; binary payloads are missing from this source WARC

```
File : vhf-uhf inside.jpg
Description : Internals (so far)
```

214. File - vhf-uhf front.JPG

Yahoo group: VK5JST_Analysers
Date: 2012-04-15 07:20:29 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 20 Message: 214
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf front.JPG
Description : Construction of Front Panel

215. File - vhf-uhf inside.jpg

Yahoo group: VK5JST_Analysers
Date: 2012-04-15 07:20:30 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 21 Message: 215
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf inside.jpg
Description : Internals (so far)

216. File - vhf-uhf PCB.jpg

Yahoo group: VK5JST_Analysers
Date: 2012-04-15 07:20:29 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 19 Message: 216
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf PCB.jpg
Description : PCB - populated

217. Help With Programming - HEX File

Yahoo group: VK5JST_Analysers
Date: 2012-10-04 14:22:57 UTC
From: pwschattenberg
Topic: 217 Message: 217

I have accidently erased my PICAXE clean and I'm having a lot of trouble trying to get it to communicate via serial with a myriad of programs. I've already tried:
PICAXE Programming
MicroCode Studio
MPLAB
mikroBasic Pro for PIC
xcsb

I've even tried loading a bootloader (which I am successful at though a PICkit 2 device), but still have no joy.

As it currently stands, the PICkit 2 Programmer is the only program and hardware that I can get my PICAXE to communicate with. The only problem I face is that I cannot seem to generate a HEX file of the KF5JST Aerial Analyser program to load via the PICkit 2 program.

Could someone be ever-so-kind as to e-mail me or post to the group a compiled or dumped HEX program of one of the VK5JST Aerial Analyser versions?

Thanks!
Paul, KF5JIM

218. Transistor substitution

Yahoo group: VK5JST_Analysers
Date: 2012-10-31 11:39:00 UTC
From: Aron
Topic: 218 Message: 218

Hi Folks!
I'd like to build only the oscillator & amplifier unit as replacement for an old and faulty signal generator's unit. In the original description there's a lot of PN(2N)3563 transistors. Its obsolote in here! In my opinion it can be replaced with bf240 or bc547B (or"C"). They are cheaper and more common types on the European market. What do you think? Any other types?
Thanks! '73! Aron

219. Re: [VK5JST_Analysers] Transistor substitution

Yahoo group: VK5JST_Analysers
Date: 2012-10-31 11:57:52 UTC
From: Stu Nutt
Topic: 218 Message: 219

For buffer applications, the BC547 is generally not advised, but if you are in UK (or don't mind buying from UK - you don't say where you are), there's 3 sellers currently on eBay UK who are UK based and are offering the 2N3563 at prices from ?4 for ten!

Stu

On 31/10/2012 11:39, Aron wrote:
>
> Hi Folks!
> I'd like to build only the oscillator & amplifier unit as replacement
> for an old and faulty signal generator's unit. In the original
> description there's a lot of PN(2N)3563 transistors. Its obsolote in
> here! In my opinion it can be replaced with bf240 or bc547B (or"C").
> They are cheaper and more common types on the European market. What do
> you think? Any other types?
> Thanks! '73! Aron
>
>

220. Re: Transistor substitution

Yahoo group: VK5JST_Analysers
Date: 2012-11-04 21:34:47 UTC
From: Aron
Topic: 218 Message: 220

TNX!
I'm from Hungary (HA8LUA).
BC547 or BF240 are good HF transistors & have a lot of them...(HI).
I will give a chance for thos devices.
Thanks again, '73! de ARON

221. File - vhf-uhf PCB.jpg

Yahoo group: VK5JST_Analysers
Date: 2012-11-12 05:34:12 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 19 Message: 221
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf PCB.jpg
Description : PCB - populated

222. File - vhf-uhf front.JPG

Yahoo group: VK5JST_Analysers
Date: 2012-11-12 05:34:12 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 20 Message: 222
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf front.JPG
Description : Construction of Front Panel

223. File - vhf-uhf inside.jpg

Yahoo group: VK5JST_Analysers
Date: 2012-11-12 05:34:12 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 21 Message: 223
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf inside.jpg
Description : Internals (so far)

224. File - vhf-uhf PCB.jpg

Yahoo group: VK5JST_Analysers
Date: 2012-11-26 08:48:34 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 19 Message: 224
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf PCB.jpg
Description : PCB - populated

225. File - vhf-uhf front.JPG

Yahoo group: VK5JST_Analysers
Date: 2012-11-26 08:48:34 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 20 Message: 225
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf front.JPG
Description : Construction of Front Panel

226. File - vhf-uhf inside.jpg

Yahoo group: VK5JST_Analysers
Date: 2012-11-26 08:48:35 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 21 Message: 226
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf inside.jpg
Description : Internals (so far)

227. File - vhf-uhf PCB.jpg

Yahoo group: VK5JST_Analysers
Date: 2012-12-10 08:16:26 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 19 Message: 227
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf PCB.jpg
Description : PCB - populated

228. File - vhf-uhf front.JPG

Yahoo group: VK5JST_Analysers
Date: 2012-12-10 08:16:26 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 20 Message: 228
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf front.JPG
Description : Construction of Front Panel

229. File - vhf-uhf inside.jpg

Yahoo group: VK5JST_Analysers
Date: 2012-12-10 08:16:26 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 21 Message: 229
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf inside.jpg
Description : Internals (so far)

230. File - vhf-uhf front.JPG

Yahoo group: VK5JST_Analysers
Date: 2012-12-24 09:23:06 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 20 Message: 230
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf front.JPG
Description : Construction of Front Panel

231. File - vhf-uhf inside.jpg

Yahoo group: VK5JST_Analysers
Date: 2012-12-24 09:23:06 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 21 Message: 231
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf inside.jpg
Description : Internals (so far)

232. File - vhf-uhf PCB.jpg

Yahoo group: VK5JST_Analysers
Date: 2012-12-24 09:23:06 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 19 Message: 232
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf PCB.jpg
Description : PCB - populated

233. File - vhf-uhf PCB.jpg

Yahoo group: VK5JST_Analysers
Date: 2013-01-07 08:21:55 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 19 Message: 233
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf PCB.jpg
Description : PCB - populated

234. File - vhf-uhf inside.jpg

Yahoo group: VK5JST_Analysers
Date: 2013-01-07 08:21:55 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 21 Message: 234
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf inside.jpg
Description : Internals (so far)

235. File - vhf-uhf front.JPG

Yahoo group: VK5JST_Analysers
Date: 2013-01-07 08:21:55 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 20 Message: 235
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf front.JPG
Description : Construction of Front Panel

236. File - vhf-uhf front.JPG

Yahoo group: VK5JST_Analysers
Date: 2013-01-22 11:32:28 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 20 Message: 236
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf front.JPG
Description : Construction of Front Panel

237. File - vhf-uhf inside.jpg

Yahoo group: VK5JST_Analysers
Date: 2013-01-22 11:32:28 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 21 Message: 237
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf inside.jpg
Description : Internals (so far)

238. File - vhf-uhf PCB.jpg

Yahoo group: VK5JST_Analysers
Date: 2013-01-22 11:32:27 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 19 Message: 238
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf PCB.jpg
Description : PCB - populated

239. File - vhf-uhf PCB.jpg

Yahoo group: VK5JST_Analysers
Date: 2013-02-05 16:52:11 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 19 Message: 239
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf PCB.jpg
Description : PCB - populated

240. File - vhf-uhf front.JPG

Yahoo group: VK5JST_Analysers
Date: 2013-02-05 16:52:11 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 20 Message: 240
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf front.JPG
Description : Construction of Front Panel

241. File - vhf-uhf inside.jpg

Yahoo group: VK5JST_Analysers
Date: 2013-02-05 16:52:11 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 21 Message: 241
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf inside.jpg
Description : Internals (so far)

242. File - vhf-uhf PCB.jpg

Yahoo group: VK5JST_Analysers
Date: 2013-02-19 06:49:22 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 19 Message: 242
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf PCB.jpg
Description : PCB - populated

243. File - vhf-uhf front.JPG

Yahoo group: VK5JST_Analysers
Date: 2013-02-19 06:49:22 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 20 Message: 243
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf front.JPG
Description : Construction of Front Panel

244. File - vhf-uhf inside.jpg

Yahoo group: VK5JST_Analysers
Date: 2013-02-19 06:49:22 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 21 Message: 244
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf inside.jpg
Description : Internals (so far)

245. File - vhf-uhf PCB.jpg

Yahoo group: VK5JST_Analysers
Date: 2013-03-04 16:21:17 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 19 Message: 245
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf PCB.jpg
Description : PCB - populated

246. File - vhf-uhf front.JPG

Yahoo group: VK5JST_Analysers
Date: 2013-03-04 16:21:18 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 20 Message: 246
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf front.JPG
Description : Construction of Front Panel

247. File - vhf-uhf inside.jpg

Yahoo group: VK5JST_Analysers
Date: 2013-03-04 16:21:18 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 21 Message: 247
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf inside.jpg
Description : Internals (so far)

248. File - vhf-uhf front.JPG

Yahoo group: VK5JST_Analysers
Date: 2013-03-17 20:02:50 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 20 Message: 248
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf front.JPG
Description : Construction of Front Panel

249. File - vhf-uhf PCB.jpg

Yahoo group: VK5JST_Analysers
Date: 2013-03-17 20:02:50 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 19 Message: 249
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf PCB.jpg
Description : PCB - populated

250. File - vhf-uhf inside.jpg

Yahoo group: VK5JST_Analysers
Date: 2013-03-17 20:02:50 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 21 Message: 250
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf inside.jpg
Description : Internals (so far)

251. File - vhf-uhf PCB.jpg

Yahoo group: VK5JST_Analysers
Date: 2013-03-31 21:19:07 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 19 Message: 251
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf PCB.jpg
Description : PCB - populated

252. File - vhf-uhf front.JPG

Yahoo group: VK5JST_Analysers
Date: 2013-03-31 21:19:07 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 20 Message: 252
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf front.JPG
Description : Construction of Front Panel

253. File - vhf-uhf inside.jpg

Yahoo group: VK5JST_Analysers
Date: 2013-03-31 21:19:07 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 21 Message: 253
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf inside.jpg
Description : Internals (so far)

254. File - vhf-uhf front.JPG

Yahoo group: VK5JST_Analysers
Date: 2013-04-14 21:21:31 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 20 Message: 254
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf front.JPG
Description : Construction of Front Panel

255. File - vhf-uhf PCB.jpg

Yahoo group: VK5JST_Analysers
Date: 2013-04-14 21:21:30 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 19 Message: 255
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf PCB.jpg
Description : PCB - populated

256. File - vhf-uhf inside.jpg

Yahoo group: VK5JST_Analysers
Date: 2013-04-14 21:21:31 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 21 Message: 256
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf inside.jpg
Description : Internals (so far)

257. File - vhf-uhf front.JPG

Yahoo group: VK5JST_Analysers
Date: 2013-04-29 00:21:56 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 20 Message: 257
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf front.JPG
Description : Construction of Front Panel

258. File - vhf-uhf PCB.jpg

Yahoo group: VK5JST_Analysers
Date: 2013-04-29 00:21:56 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 19 Message: 258
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf PCB.jpg
Description : PCB - populated

259. File - vhf-uhf inside.jpg

Yahoo group: VK5JST_Analysers
Date: 2013-04-29 00:21:56 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 21 Message: 259
Attachments: 1 described; binary payloads are missing from this source WARC

```
File : vhf-uhf inside.jpg
Description : Internals (so far)
```

260. File - vhf-uhf front.JPG

Yahoo group: VK5JST_Analysers
Date: 2013-05-12 21:28:30 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 20 Message: 260
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf front.JPG
Description : Construction of Front Panel

261. File - vhf-uhf PCB.jpg

Yahoo group: VK5JST_Analysers
Date: 2013-05-12 21:28:30 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 19 Message: 261
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf PCB.jpg
Description : PCB - populated

262. File - vhf-uhf inside.jpg

Yahoo group: VK5JST_Analysers
Date: 2013-05-12 21:28:31 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 21 Message: 262
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf inside.jpg
Description : Internals (so far)

263. Daft question

Yahoo group: VK5JST_Analysers
Date: 2013-05-16 18:23:30 UTC
From: david
Topic: 263 Message: 263

Hi all
Ok now I have one how do I use it, what am I looking in my antenna system?

Is there a idiots guide?

Regards Dave M0GGK

264. Re: [VK5JST_Analysers] Daft question

Yahoo group: VK5JST_Analysers
Date: 2013-05-17 06:16:45 UTC
From: Stu Nutt
Topic: 263 Message: 264

You may want to download the users guide for the MFJ-259. The basic principles of use are the same (except the MFJ is far more expensive!

What you need to measure on your antennas is the resistive and reactive components of the antenna.

Ideally, your antenna should show 50 ohm resistive at the applied frequency (centre of the part of the band that you want to use) if you are using 50-ohm coax into a 50-ohm TX (which most are). There should be (ideally) no inductive or capacitive reactance. At this point, your SWR should be 1:1, or very near it. Try it with a good dummy load to get an idea of what you are looking for!

Connect the meter as close as possible to the antenna feed point (easy with verticals, not to easy with high horizontals!) and trim the antenna length(s) for lowest possible reactance (X) and 50 ohms resistance (R).

There's more that you can use an analyser for, but I suggest that you take a look at the MFJ instructions to get some ideas. The VK5JST instrument doesn't have all the functions of the MFJ, but "play with it" and you'll get the hang of using it and what it will do.

Stu (G3OCR)

On 16/05/2013 19:23, david wrote:
>
> Hi all
> Ok now I have one how do I use it, what am I looking in my antenna system?
>
> Is there a idiots guide?
>
> Regards Dave M0GGK
>

265. New boy,

Yahoo group: VK5JST_Analysers
Date: 2013-05-23 20:09:48 UTC
From: kb5zxm
Topic: 265 Message: 265

Hi, I am newby here, dont have any questions yet, I was/am repairing a MFJ 259, and was interested in more, maybe using some of these ADI micro devices to add functionality to it. My main hobby is conserving old Cushman Service Monitors, and Radio , thanks for your efforts in putting this place together.
73's kb5zxm Darrell in Magnolia Texas.

266. File - vhf-uhf PCB.jpg

Yahoo group: VK5JST_Analysers
Date: 2013-05-27 10:52:22 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 19 Message: 266
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf PCB.jpg
Description : PCB - populated

267. File - vhf-uhf front.JPG

Yahoo group: VK5JST_Analysers
Date: 2013-05-27 10:52:22 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 20 Message: 267
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf front.JPG
Description : Construction of Front Panel

268. File - vhf-uhf inside.jpg

Yahoo group: VK5JST_Analysers
Date: 2013-05-27 10:52:23 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 21 Message: 268
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf inside.jpg
Description : Internals (so far)

269. File - vhf-uhf PCB.jpg

Yahoo group: VK5JST_Analysers
Date: 2013-06-10 02:22:45 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 19 Message: 269
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf PCB.jpg
Description : PCB - populated

270. File - vhf-uhf front.JPG

Yahoo group: VK5JST_Analysers
Date: 2013-06-10 02:22:45 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 20 Message: 270
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf front.JPG
Description : Construction of Front Panel

271. File - vhf-uhf inside.jpg

Yahoo group: VK5JST_Analysers
Date: 2013-06-10 02:22:46 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 21 Message: 271
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf inside.jpg
Description : Internals (so far)

272. File - vhf-uhf PCB.jpg

Yahoo group: VK5JST_Analysers
Date: 2013-06-23 23:55:59 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 19 Message: 272
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf PCB.jpg
Description : PCB - populated

273. File - vhf-uhf front.JPG

Yahoo group: VK5JST_Analysers
Date: 2013-06-23 23:55:59 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 20 Message: 273
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf front.JPG
Description : Construction of Front Panel

274. File - vhf-uhf inside.jpg

Yahoo group: VK5JST_Analysers
Date: 2013-06-23 23:55:59 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 21 Message: 274
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf inside.jpg
Description : Internals (so far)

275. File - vhf-uhf PCB.jpg

Yahoo group: VK5JST_Analysers
Date: 2013-07-08 02:44:51 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 19 Message: 275
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf PCB.jpg
Description : PCB - populated

276. File - vhf-uhf front.JPG

Yahoo group: VK5JST_Analysers
Date: 2013-07-08 02:44:52 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 20 Message: 276
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf front.JPG
Description : Construction of Front Panel

277. File - vhf-uhf inside.jpg

Yahoo group: VK5JST_Analysers
Date: 2013-07-08 02:44:52 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 21 Message: 277
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf inside.jpg
Description : Internals (so far)

278. File - vhf-uhf PCB.jpg

Yahoo group: VK5JST_Analysers
Date: 2013-07-21 23:33:12 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 19 Message: 278
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf PCB.jpg
Description : PCB - populated

279. File - vhf-uhf front.JPG

Yahoo group: VK5JST_Analysers
Date: 2013-07-21 23:33:12 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 20 Message: 279
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf front.JPG
Description : Construction of Front Panel

280. File - vhf-uhf inside.jpg

Yahoo group: VK5JST_Analysers
Date: 2013-07-21 23:33:12 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 21 Message: 280
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf inside.jpg
Description : Internals (so far)

281. File - vhf-uhf PCB.jpg

Yahoo group: VK5JST_Analysers
Date: 2013-08-05 00:54:14 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 19 Message: 281
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf PCB.jpg
Description : PCB - populated

282. File - vhf-uhf front.JPG

Yahoo group: VK5JST_Analysers
Date: 2013-08-05 00:54:14 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 20 Message: 282
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf front.JPG
Description : Construction of Front Panel

283. File - vhf-uhf inside.jpg

Yahoo group: VK5JST_Analysers
Date: 2013-08-05 00:54:14 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 21 Message: 283
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf inside.jpg
Description : Internals (so far)

284. D4-D6 Substitution

Yahoo group: VK5JST_Analysers
Date: 2013-08-14 06:43:03 UTC
From: Todd Carney / K7TFC
Topic: 284 Message: 284

Folks,

I was just about to install the bridge diodes (D4,D5,D6) on the pcb and on a whim I decided to test them. They're supposed to be 1N34a but there are no markings. I can't even remember where I got them. All but one out of ten failed my DMM test. No forward voltage at all. The one that did conduct showed a Vf of 1.43. They all when in the --i- can.

On hand, I have 1N60P and 1N5817 Schottkys. Both are from reliable venders. Measuring about ten of each, the 1N60P has a Vf hovering closely around 0.23. The 1N5817 hovers closely around 0.175 Vf (that's less than half the datasheet indicates). Speaking of datasheets, one for the 1N5817 indicates a Vfmax of 0.45!!! Can that be true? If it is, I'm not good enough at circuit analysis to tell what voltage will be injected by the power amp. I imagine it's higher that 0.45. Correct me if I'm wrong.

Not considering the 1N5817s, I'm left with the 1N60Ps. I have enough that I can get three to match closely in Vf. By the way, specs say the 1N60P has a Cj of 2.0pF (@1.0Vf, 1.0MHz) and 6.0pF (@10Vf, 1.0MHz).

So, do you all think the 1N60P will be a suitable substitute for my now-trashed 1N34As?

Thanks and 73,

Todd Carney K7TFC
Medford, Oregon, USA

285. RE: [VK5JST_Analysers] D4-D6 Substitution

Yahoo group: VK5JST_Analysers
Date: 2013-08-14 07:04:38 UTC
From: John Barnett Gruver
Topic: 284 Message: 285

I just bought 2,000 1n34a's from China for USD$20.00 with free shipping off of E-bay. Have not tested any with my Tektronix TX3 True RMS DMM ~USD$500.00 ten years ago.

VK5JST says that Schottkys are a problem.if you will go to his sight and read the literature.

John K6JBG

From: VK5JST_Analysers@yahoogroups.com [mailto:VK5JST_Analysers@yahoogroups.com] On Behalf Of Todd Carney / K7TFC
Sent: Tuesday, August 13, 2013 11:43 PM
To: VK5JST_Analysers@yahoogroups.com
Subject: [VK5JST_Analysers] D4-D6 Substitution

Folks,

I was just about to install the bridge diodes (D4,D5,D6) on the pcb and on a whim I decided to test them. They're supposed to be 1N34a but there are no markings. I can't even remember where I got them. All but one out of ten failed my DMM test. No forward voltage at all. The one that did conduct showed a Vf of 1.43. They all when in the --i- can.

On hand, I have 1N60P and 1N5817 Schottkys. Both are from reliable venders. Measuring about ten of each, the 1N60P has a Vf hovering closely around 0.23. The 1N5817 hovers closely around 0.175 Vf (that's less than half the datasheet indicates). Speaking of datasheets, one for the 1N5817 indicates a Vfmax of 0.45!!! Can that be true? If it is, I'm not good enough at circuit analysis to tell what voltage will be injected by the power amp. I imagine it's higher that 0.45. Correct me if I'm wrong.

Not considering the 1N5817s, I'm left with the 1N60Ps. I have enough that I can get three to match closely in Vf. By the way, specs say the 1N60P has a Cj of 2.0pF (@1.0Vf, 1.0MHz) and 6.0pF (@10Vf, 1.0MHz).

So, do you all think the 1N60P will be a suitable substitute for my now-trashed 1N34As?

Thanks and 73,

Todd Carney K7TFC
Medford, Oregon, USA

286. Re: [VK5JST_Analysers] D4-D6 Substitution

Yahoo group: VK5JST_Analysers
Date: 2013-08-14 07:27:53 UTC
From: Todd F. Carney / K7TFC
Topic: 284 Message: 286

Thanks, John. I thought I've been through all his documentation, so I'll check again.

By the way, I think my bad 1N34As came from China too.

73,

Todd

K7TFC / Medford, Oregon, USA / CN82ni / UTC-7 (PDT)

On Wed, Aug 14, 2013 at 7:04 AM, John Barnett Gruver <jbgruver@comcast.net>wrote:

> **
>
>
> I just bought 2,000 1n34a's from ****China**** for USD$20.00 with free
> shipping off of E-bay. Have not tested any with my Tektronix TX3 True RMS
> DMM ~USD$500.00 ten years ago.****
>
> VK5JST says that Schottkys are a problem…if you will go to his sight and
> read the literature…****
>
> ** **
>
> John K6JBG****
>
> ** **
> ---
>
> *From:* VK5JST_Analysers@yahoogroups.com [mailto:
> VK5JST_Analysers@yahoogroups.com] *On Behalf Of *Todd Carney / K7TFC
> *Sent:* Tuesday, August 13, 2013 11:43 PM
> *To:* VK5JST_Analysers@yahoogroups.com
> *Subject:* [VK5JST_Analysers] D4-D6 Substitution****
>
> ** **
>
> ****
>
> Folks,
>
> I was just about to install the bridge diodes (D4,D5,D6) on the pcb and on
> a whim I decided to test them. They're supposed to be 1N34a but there are

> no markings. I can't even remember where I got them. All but one out of ten
> failed my DMM test. No forward voltage at all. The one that did conduct
> showed a Vf of 1.43. They all when in the --i- can.
>
> On hand, I have 1N60P and 1N5817 Schottkys. Both are from reliable
> venders. Measuring about ten of each, the 1N60P has a Vf hovering closely
> around 0.23. The 1N5817 hovers closely around 0.175 Vf (that's less than
> half the datasheet indicates). Speaking of datasheets, one for the 1N5817
> indicates a Vfmax of 0.45!!! Can that be true? If it is, I'm not good
> enough at circuit analysis to tell what voltage will be injected by the
> power amp. I imagine it's higher that 0.45. Correct me if I'm wrong.
>
> Not considering the 1N5817s, I'm left with the 1N60Ps. I have enough that
> I can get three to match closely in Vf. By the way, specs say the 1N60P has
> a Cj of 2.0pF (@1.0Vf, 1.0MHz) and 6.0pF (@10Vf, 1.0MHz).
>
> So, do you all think the 1N60P will be a suitable substitute for my
> now-trashed 1N34As?
>
> Thanks and 73,
>
> Todd Carney K7TFC
> ****Medford**, **Oregon**, **USA********
>
>
>

287. Re: D4-D6 Substitution

Yahoo group: VK5JST_Analysers
Date: 2013-08-14 09:16:07 UTC
From: Todd Carney / K7TFC
Topic: 284 Message: 287

In VK5JST_Analysers@yahoogroups.com, "John Barnett Gruver" wrote:
> . . . VK5JST says that Schottkys are a problem.if you will go to his sight and read the literature.

I've now read "Diagnostic Data for The Aerial Analyser" on the VK5JST site. I think this is the document John was referring to. I am, though, more confused than I was before. Here's what I found:
Type numbers include 1N34, 1N60, 1N61, OA80- OA87, OA90-OA96 etc etc.
Note that the Chinese sell counterfeit diodes labeled 1N60S and 1N60P. These are Schottky junction diodes which will not work in this circuit.
I've found lots of confusion regarding 1n60s. Mouser calls them silicon Schottkys
(http://www.mouser.com/Semiconductors/Discrete-Semiconductors/Diodes-Rec\
tifiers/_/N-ax1ma?Keyword=1n60&FS=True
<http://www.mouser.com/Semiconductors/Discrete-Semiconductors/Diodes-Rec\
tifiers/_/N-ax1ma?Keyword=1n60&FS=True>). Farnell/Newark "Element 14" calls them 10V zeners
(http://www.newark.com/jsp/search/browse.jsp?N=422+2203+200251&Ntk=gense\
arch&Ntt=1n60&Ntx=mode+matchallpartial
<http://www.newark.com/jsp/search/browse.jsp?N=422+2203+200251&Ntk=gense\
arch&Ntt=1n60&Ntx=mode+matchallpartial>). Any number of Asian sellers on eBay are calling them numerous things. Now, Futurlec/Australia calls them point-contact germaniums, which is exactly what VK5JST calls for. I just found genuine 1n60s and 1n34As at Futurlec/North America as well. I've never done business with them. I think I'll order both diodes from those guys.
There. End of confusion!
73,
Todd Carney K7TFC

288. File - vhf-uhf PCB.jpg

Yahoo group: VK5JST_Analysers
Date: 2013-08-18 23:40:22 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 19 Message: 288
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf PCB.jpg
Description : PCB - populated

289. File - vhf-uhf front.JPG

Yahoo group: VK5JST_Analysers
Date: 2013-08-18 23:40:22 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 20 Message: 289
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf front.JPG
Description : Construction of Front Panel

290. File - vhf-uhf inside.jpg

Yahoo group: VK5JST_Analysers
Date: 2013-08-18 23:40:22 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 21 Message: 290
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf inside.jpg
Description : Internals (so far)

291. File - vhf-uhf PCB.jpg

Yahoo group: VK5JST_Analysers
Date: 2013-09-01 23:16:12 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 19 Message: 291
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf PCB.jpg
Description : PCB - populated

292. File - vhf-uhf front.JPG

Yahoo group: VK5JST_Analysers
Date: 2013-09-01 23:16:13 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 20 Message: 292
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf front.JPG
Description : Construction of Front Panel

293. File - vhf-uhf inside.jpg

Yahoo group: VK5JST_Analysers
Date: 2013-09-01 23:16:13 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 21 Message: 293
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf inside.jpg
Description : Internals (so far)

294. File - vhf-uhf PCB.jpg

Yahoo group: VK5JST_Analysers
Date: 2013-09-15 23:51:49 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 19 Message: 294
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf PCB.jpg
Description : PCB - populated

295. File - vhf-uhf front.JPG

Yahoo group: VK5JST_Analysers
Date: 2013-09-15 23:51:49 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 20 Message: 295
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf front.JPG
Description : Construction of Front Panel

296. File - vhf-uhf inside.jpg

Yahoo group: VK5JST_Analysers
Date: 2013-09-15 23:51:49 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 21 Message: 296
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf inside.jpg
Description : Internals (so far)

297. File - vhf-uhf PCB.jpg

Yahoo group: VK5JST_Analysers
Date: 2013-09-30 00:19:18 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 19 Message: 297
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf PCB.jpg
Description : PCB - populated

298. File - vhf-uhf front.JPG

Yahoo group: VK5JST_Analysers
Date: 2013-09-30 00:19:18 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 20 Message: 298
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf front.JPG
Description : Construction of Front Panel

299. File - vhf-uhf inside.jpg

Yahoo group: VK5JST_Analysers
Date: 2013-09-30 00:19:19 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 21 Message: 299
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf inside.jpg
Description : Internals (so far)

300. File - vhf-uhf PCB.jpg

Yahoo group: VK5JST_Analysers
Date: 2013-10-14 00:49:41 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 19 Message: 300
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf PCB.jpg
Description : PCB - populated

301. File - vhf-uhf front.JPG

Yahoo group: VK5JST_Analysers
Date: 2013-10-14 00:49:41 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 20 Message: 301
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf front.JPG
Description : Construction of Front Panel

302. File - vhf-uhf inside.jpg

Yahoo group: VK5JST_Analysers
Date: 2013-10-14 00:49:41 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 21 Message: 302
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf inside.jpg
Description : Internals (so far)

303. File - vhf-uhf PCB.jpg

Yahoo group: VK5JST_Analysers
Date: 2013-10-28 02:19:11 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 19 Message: 303
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf PCB.jpg
Description : PCB - populated

304. File - vhf-uhf front.JPG

Yahoo group: VK5JST_Analysers
Date: 2013-10-28 02:19:11 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 20 Message: 304
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf front.JPG
Description : Construction of Front Panel

305. File - vhf-uhf inside.jpg

Yahoo group: VK5JST_Analysers
Date: 2013-10-28 02:19:11 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 21 Message: 305
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf inside.jpg
Description : Internals (so far)

306. File - vhf-uhf PCB.jpg

Yahoo group: VK5JST_Analysers
Date: 2013-11-11 01:14:36 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 19 Message: 306
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf PCB.jpg
Description : PCB - populated

307. File - vhf-uhf front.JPG

Yahoo group: VK5JST_Analysers
Date: 2013-11-11 01:14:36 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 20 Message: 307
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf front.JPG
Description : Construction of Front Panel

308. File - vhf-uhf inside.jpg

Yahoo group: VK5JST_Analysers
Date: 2013-11-11 01:14:36 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 21 Message: 308
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf inside.jpg
Description : Internals (so far)

309. File - vhf-uhf PCB.jpg

Yahoo group: VK5JST_Analysers
Date: 2013-11-24 23:38:54 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 19 Message: 309
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf PCB.jpg
Description : PCB - populated

310. File - vhf-uhf front.JPG

Yahoo group: VK5JST_Analysers
Date: 2013-11-24 23:38:54 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 20 Message: 310
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf front.JPG
Description : Construction of Front Panel

311. File - vhf-uhf inside.jpg

Yahoo group: VK5JST_Analysers
Date: 2013-11-24 23:38:54 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 21 Message: 311
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf inside.jpg
Description : Internals (so far)

312. File - vhf-uhf PCB.jpg

Yahoo group: VK5JST_Analysers
Date: 2013-12-09 01:24:43 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 19 Message: 312
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf PCB.jpg
Description : PCB - populated

313. File - vhf-uhf front.JPG

Yahoo group: VK5JST_Analysers
Date: 2013-12-09 01:24:43 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 20 Message: 313
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf front.JPG
Description : Construction of Front Panel

314. File - vhf-uhf inside.jpg

Yahoo group: VK5JST_Analysers
Date: 2013-12-09 01:24:43 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 21 Message: 314
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf inside.jpg
Description : Internals (so far)

315. File - vhf-uhf PCB.jpg

Yahoo group: VK5JST_Analysers
Date: 2013-12-09 01:24:43 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 19 Message: 315
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf PCB.jpg
Description : PCB - populated

316. File - vhf-uhf front.JPG

Yahoo group: VK5JST_Analysers
Date: 2013-12-09 01:24:43 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 20 Message: 316
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf front.JPG
Description : Construction of Front Panel

317. File - vhf-uhf inside.jpg

Yahoo group: VK5JST_Analysers
Date: 2013-12-09 01:24:43 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 21 Message: 317
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf inside.jpg
Description : Internals (so far)

318. File - vhf-uhf PCB.jpg

Yahoo group: VK5JST_Analysers
Date: 2013-12-22 21:59:40 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 19 Message: 318
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf PCB.jpg
Description : PCB - populated

319. File - vhf-uhf front.JPG

Yahoo group: VK5JST_Analysers
Date: 2013-12-22 21:59:40 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 20 Message: 319
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf front.JPG
Description : Construction of Front Panel

320. File - vhf-uhf inside.jpg

Yahoo group: VK5JST_Analysers
Date: 2013-12-22 21:59:40 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 21 Message: 320
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf inside.jpg
Description : Internals (so far)

321. File - vhf-uhf PCB.jpg

Yahoo group: VK5JST_Analysers
Date: 2014-01-06 02:34:26 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 19 Message: 321
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf PCB.jpg
Description : PCB - populated

322. File - vhf-uhf front.JPG

Yahoo group: VK5JST_Analysers
Date: 2014-01-06 02:34:26 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 20 Message: 322
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf front.JPG
Description : Construction of Front Panel

323. File - vhf-uhf inside.jpg

Yahoo group: VK5JST_Analysers
Date: 2014-01-06 02:34:26 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 21 Message: 323
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf inside.jpg
Description : Internals (so far)

324. File - vhf-uhf PCB.jpg

Yahoo group: VK5JST_Analysers
Date: 2014-01-20 02:20:31 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 19 Message: 324
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf PCB.jpg
Description : PCB - populated

325. File - vhf-uhf front.JPG

Yahoo group: VK5JST_Analysers
Date: 2014-01-20 02:20:31 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 20 Message: 325
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf front.JPG
Description : Construction of Front Panel

326. File - vhf-uhf inside.jpg

Yahoo group: VK5JST_Analysers
Date: 2014-01-20 02:20:31 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 21 Message: 326
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf inside.jpg
Description : Internals (so far)

327. File - vhf-uhf PCB.jpg

Yahoo group: VK5JST_Analysers
Date: 2014-02-03 00:03:51 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 19 Message: 327
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf PCB.jpg
Description : PCB - populated

328. File - vhf-uhf front.JPG

Yahoo group: VK5JST_Analysers
Date: 2014-02-03 00:03:51 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 20 Message: 328
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf front.JPG
Description : Construction of Front Panel

329. File - vhf-uhf inside.jpg

Yahoo group: VK5JST_Analysers
Date: 2014-02-03 00:03:51 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 21 Message: 329
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf inside.jpg
Description : Internals (so far)

330. File - vhf-uhf PCB.jpg

Yahoo group: VK5JST_Analysers
Date: 2014-02-16 23:38:07 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 19 Message: 330
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf PCB.jpg
Description : PCB - populated

331. File - vhf-uhf front.JPG

Yahoo group: VK5JST_Analysers
Date: 2014-02-16 23:38:07 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 20 Message: 331
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf front.JPG
Description : Construction of Front Panel

332. File - vhf-uhf inside.jpg

Yahoo group: VK5JST_Analysers
Date: 2014-02-16 23:38:07 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 21 Message: 332
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf inside.jpg
Description : Internals (so far)

333. Help please

Yahoo group: VK5JST_Analysers
Date: 2014-02-22 19:38:16 UTC
From: Iain
Topic: 333 Message: 333

Hi All

I built my analyser back in 2010 and have used it on the lower bands quite successfully. However I came to check the calibration and have found a problem.

I can set TP2 for 4.5v etc etc at the lower two bands but when I go up in freq the voltages all drop.

I went to Pin 14 IC1a which should be "1.4 vdc at all frequencies" and it isn't.

I'm getting 1.06 on the lowest range then 0.82 next range up , then 0.41 and down to 0.35 on the higher ranges.

Looking at the rf on Q10 Collector it is at 1.7v using my diode probe but drops down to 0.8 v at higher ranges.

Again using my diode probe the level at Q8 emitter doesn't drop when the frequency rises so I guess I have a prob in the 70mhz amp.

I have checked Q9, Q10, 11 and 12 and their dc voltages. Q10 collector seems a little low at 7.45 and Q11 collector also a little low at 6.63 but nothing seems totally untoward.

I have checked all the resistor values. I've checked for shorts etc etc but cannot find anything astray.

The caps are all those supplied with the kit and are all the same throughout.

Can anyone give me a clue ?

Thanks and Regards

Iain G4DPF

334. File - vhf-uhf front.JPG

Yahoo group: VK5JST_Analysers
Date: 2014-03-17 00:10:11 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 20 Message: 334
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf front.JPG
Description : Construction of Front Panel

335. File - vhf-uhf PCB.jpg

Yahoo group: VK5JST_Analysers
Date: 2014-03-17 00:10:10 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 19 Message: 335
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf PCB.jpg
Description : PCB - populated

336. File - vhf-uhf inside.jpg

Yahoo group: VK5JST_Analysers
Date: 2014-03-17 00:10:11 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 21 Message: 336
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf inside.jpg
Description : Internals (so far)

337. File - vhf-uhf PCB.jpg

Yahoo group: VK5JST_Analysers
Date: 2014-03-30 22:11:10 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 19 Message: 337
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf PCB.jpg
Description : PCB - populated

338. File - vhf-uhf front.JPG

Yahoo group: VK5JST_Analysers
Date: 2014-03-30 22:11:10 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 20 Message: 338
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf front.JPG
Description : Construction of Front Panel

339. File - vhf-uhf inside.jpg

Yahoo group: VK5JST_Analysers
Date: 2014-03-30 22:11:10 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 21 Message: 339
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf inside.jpg
Description : Internals (so far)

340. File - vhf-uhf PCB.jpg

Yahoo group: VK5JST_Analysers
Date: 2014-04-13 18:04:53 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 19 Message: 340
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf PCB.jpg
Description : PCB - populated

341. File - vhf-uhf front.JPG

Yahoo group: VK5JST_Analysers
Date: 2014-04-13 18:04:53 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 20 Message: 341
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf front.JPG
Description : Construction of Front Panel

342. File - vhf-uhf inside.jpg

Yahoo group: VK5JST_Analysers
Date: 2014-04-13 18:04:53 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 21 Message: 342
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf inside.jpg
Description : Internals (so far)

343. File - vhf-uhf PCB.jpg

Yahoo group: VK5JST_Analysers
Date: 2014-04-27 17:02:43 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 19 Message: 343
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf PCB.jpg
Description : PCB - populated

344. File - vhf-uhf front.JPG

Yahoo group: VK5JST_Analysers
Date: 2014-04-27 17:02:43 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 20 Message: 344
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf front.JPG
Description : Construction of Front Panel

345. File - vhf-uhf inside.jpg

Yahoo group: VK5JST_Analysers
Date: 2014-04-27 17:02:43 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 21 Message: 345
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf inside.jpg
Description : Internals (so far)

346. RE: [VK5JST_Analysers] Help please

Yahoo group: VK5JST_Analysers
Date: 2014-05-07 23:42:31 UTC
From: John Barnett Gruver
Topic: 333 Message: 346

Search google in general for the vk5jst analyzers and you will find a fellow that went to great lengths to smooth out the power circuits and a few other things.I do not remember his call letters but his posting stands out.check it out

John K6JBG

_____

From: VK5JST_Analysers@yahoogroups.com
[mailto:VK5JST_Analysers@yahoogroups.com] On Behalf Of Iain
Sent: Saturday, February 22, 2014 11:38 AM
To: VK5JST_Analysers@yahoogroups.com
Subject: [VK5JST_Analysers] Help please

Hi All

I built my analyser back in 2010 and have used it on the lower bands quite successfully. However I came to check the calibration and have found a problem.

I can set TP2 for 4.5v etc etc at the lower two bands but when I go up in freq the voltages all drop.

I went to Pin 14 IC1a which should be "1.4 vdc at all frequencies" and it isn't.

I'm getting 1.06 on the lowest range then 0.82 next range up , then 0.41 and down to 0.35 on the higher ranges.

Looking at the rf on Q10 Collector it is at 1.7v using my diode probe but drops down to 0.8 v at higher ranges.

Again using my diode probe the level at Q8 emitter doesn't drop when the frequency rises so I guess I have a prob in the 70mhz amp.

I have checked Q9, Q10, 11 and 12 and their dc voltages. Q10 collector seems a little low at 7.45 and Q11 collector also a little low at 6.63 but nothing seems totally untoward.

I have checked all the resistor values. I've checked for shorts etc etc but cannot find anything astray.

The caps are all those supplied with the kit and are all the same throughout.

Can anyone give me a clue ?

Thanks and Regards

Iain G4DPF

347. RE: [VK5JST_Analysers] Help please

Yahoo group: VK5JST_Analysers
Date: 2014-05-08 03:25:47 UTC
From: Stacy Williams
Topic: 333 Message: 347

Hello

My AAs were both built in 2012/2013.

My second unit, board only and an original swar kit both have the problem. The values you provided seem very similar to values which were recorded. With a similar problem at Tp2!

Perhaps, I eventually thought it be a wrong resistor. But, over the next few days, I will check the notes on this project out.

Should you solve the mystery tp2 abnormality, then, please, share the solution!

Regards

M0WSA
On 8 May 2014 00:42, "John Barnett Gruver" <jbgruver@...> wrote:

>
>
> Search google in general for the vk5jst analyzers and you will find a
> fellow that went to great lengths to smooth out the power circuits and a
> few other things…I do not remember his call letters but his posting stands
> out…check it out
>
> John K6JBG
>
>
> ------------------------------
>
> *From:* VK5JST_Analysers@yahoogroups.com [mailto:
> VK5JST_Analysers@yahoogroups.com] *On Behalf Of *Iain
> *Sent:* Saturday, February 22, 2014 11:38 AM
> *To:* VK5JST_Analysers@yahoogroups.com
> *Subject:* [VK5JST_Analysers] Help please
>
>
>
>
>
>
> Hi All
>
>
>
> I built my analyser back in 2010 and have used it on the lower bands quite
> successfully. However I came to check the calibration and have found a

> problem.
>
> I can set TP2 for 4.5v etc etc at the lower two bands but when I go up in
> freq the voltages all drop.
>
> I went to Pin 14 IC1a which should be “1.4 vdc at all frequencies” and it
> isn’t.
>
> I’m getting 1.06 on the lowest range then 0.82 next range up , then 0.41
> and down to 0.35 on the higher ranges.
>
>
>
> Looking at the rf on Q10 Collector it is at 1.7v using my diode probe but
> drops down to 0.8 v at higher ranges.
>
> Again using my diode probe the level at Q8 emitter doesn’t drop when the
> frequency rises so I guess I have a prob in the 70mhz amp.
>
> I have checked Q9, Q10, 11 and 12 and their dc voltages. Q10 collector
> seems a little low at 7.45 and Q11 collector also a little low at 6.63 but
> nothing seems totally untoward.
>
> I have checked all the resistor values. I’ve checked for shorts etc etc
> but cannot find anything astray.
>
> The caps are all those supplied with the kit and are all the same
> throughout.
>
>
>
> Can anyone give me a clue ?
>
> Thanks and Regards
>
> Iain G4DPF
>
>

348. File - vhf-uhf PCB.jpg

Yahoo group: VK5JST_Analysers
Date: 2014-05-11 17:39:27 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 19 Message: 348
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf PCB.jpg
Description : PCB - populated

349. File - vhf-uhf front.JPG

Yahoo group: VK5JST_Analysers
Date: 2014-05-11 17:39:27 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 20 Message: 349
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf front.JPG
Description : Construction of Front Panel

350. File - vhf-uhf inside.jpg

Yahoo group: VK5JST_Analysers
Date: 2014-05-11 17:39:27 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 21 Message: 350
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf inside.jpg
Description : Internals (so far)

351. File - vhf-uhf PCB.jpg

Yahoo group: VK5JST_Analysers
Date: 2014-05-25 18:41:35 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 19 Message: 351
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf PCB.jpg
Description : PCB - populated

352. File - vhf-uhf inside.jpg

Yahoo group: VK5JST_Analysers
Date: 2014-05-25 18:41:35 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 21 Message: 352
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf inside.jpg
Description : Internals (so far)

353. File - vhf-uhf front.JPG

Yahoo group: VK5JST_Analysers
Date: 2014-05-25 18:41:35 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 20 Message: 353
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf front.JPG
Description : Construction of Front Panel

354. File - vhf-uhf PCB.jpg

Yahoo group: VK5JST_Analysers
Date: 2014-06-08 16:57:34 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 19 Message: 354
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf PCB.jpg
Description : PCB - populated

355. File - vhf-uhf inside.jpg

Yahoo group: VK5JST_Analysers
Date: 2014-06-08 16:57:34 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 21 Message: 355
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf inside.jpg
Description : Internals (so far)

356. File - vhf-uhf front.JPG

Yahoo group: VK5JST_Analysers
Date: 2014-06-08 16:57:34 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 20 Message: 356
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf front.JPG
Description : Construction of Front Panel

357. File - vhf-uhf PCB.jpg

Yahoo group: VK5JST_Analysers
Date: 2014-06-22 14:56:15 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 19 Message: 357
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf PCB.jpg
Description : PCB - populated

358. File - vhf-uhf front.JPG

Yahoo group: VK5JST_Analysers
Date: 2014-06-22 14:56:16 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 20 Message: 358
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf front.JPG
Description : Construction of Front Panel

359. File - vhf-uhf inside.jpg

Yahoo group: VK5JST_Analysers
Date: 2014-06-22 14:56:16 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 21 Message: 359
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf inside.jpg
Description : Internals (so far)

360. File - vhf-uhf PCB.jpg

Yahoo group: VK5JST_Analysers
Date: 2014-07-06 15:55:29 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 19 Message: 360
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf PCB.jpg
Description : PCB - populated

361. File - vhf-uhf front.JPG

Yahoo group: VK5JST_Analysers
Date: 2014-07-06 15:55:29 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 20 Message: 361
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf front.JPG
Description : Construction of Front Panel

362. File - vhf-uhf inside.jpg

Yahoo group: VK5JST_Analysers
Date: 2014-07-06 15:55:29 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 21 Message: 362
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf inside.jpg
Description : Internals (so far)

363. File - vhf-uhf PCB.jpg

Yahoo group: VK5JST_Analysers
Date: 2014-07-20 15:56:13 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 19 Message: 363
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf PCB.jpg
Description : PCB - populated

364. File - vhf-uhf inside.jpg

Yahoo group: VK5JST_Analysers
Date: 2014-07-20 15:56:13 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 21 Message: 364
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf inside.jpg
Description : Internals (so far)

365. File - vhf-uhf front.JPG

Yahoo group: VK5JST_Analysers
Date: 2014-07-20 15:56:13 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 20 Message: 365
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf front.JPG
Description : Construction of Front Panel

366. File - vhf-uhf PCB.jpg

Yahoo group: VK5JST_Analysers
Date: 2014-08-03 11:18:37 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 19 Message: 366
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf PCB.jpg
Description : PCB - populated

367. File - vhf-uhf inside.jpg

Yahoo group: VK5JST_Analysers
Date: 2014-08-03 11:18:37 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 21 Message: 367
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf inside.jpg
Description : Internals (so far)

368. File - vhf-uhf front.JPG

Yahoo group: VK5JST_Analysers
Date: 2014-08-03 11:18:37 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 20 Message: 368
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf front.JPG
Description : Construction of Front Panel

369. File - vhf-uhf PCB.jpg

Yahoo group: VK5JST_Analysers
Date: 2014-08-18 07:54:38 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 19 Message: 369
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf PCB.jpg
Description : PCB - populated

370. File - vhf-uhf inside.jpg

Yahoo group: VK5JST_Analysers
Date: 2014-08-18 07:54:38 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 21 Message: 370
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf inside.jpg
Description : Internals (so far)

371. File - vhf-uhf front.JPG

Yahoo group: VK5JST_Analysers
Date: 2014-08-18 07:54:38 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 20 Message: 371
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf front.JPG
Description : Construction of Front Panel

372. File - vhf-uhf PCB.jpg

Yahoo group: VK5JST_Analysers
Date: 2014-08-31 16:24:30 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 19 Message: 372
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf PCB.jpg
Description : PCB - populated

373. File - vhf-uhf front.JPG

Yahoo group: VK5JST_Analysers
Date: 2014-08-31 16:24:30 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 20 Message: 373
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf front.JPG
Description : Construction of Front Panel

374. File - vhf-uhf inside.jpg

Yahoo group: VK5JST_Analysers
Date: 2014-08-31 16:24:30 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 21 Message: 374
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf inside.jpg
Description : Internals (so far)

375. Re: Help please

Yahoo group: VK5JST_Analysers
Date: 2014-09-02 03:28:28 UTC
From: brian.fearnley@...
Topic: 333 Message: 375

Hi. I had a similar problem. Initially I used a bunch of 0.1uF caps I had on hand instead of the ones supplied in the kit. My ones turned out to not be too flash. Cured it by replacing them with the better quality ones that came with the kit, which had lower ESR at 30 - 50 MHz. Small blue monolithic type on a strip - sorry don't know brand or source. The PA gain is controlled by emitter bypass capacitors. If their impedance goes up with frequency the PA gain drops with rising frequency. I replaced all the 0.1uF caps with better ones. Output now rises margianally (aprox 5%) with frequency now. Hope this helps

Brian
VK2BLF

376. File - vhf-uhf PCB.jpg

Yahoo group: VK5JST_Analysers
Date: 2014-09-14 16:15:03 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 19 Message: 376
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf PCB.jpg
Description : PCB - populated

377. File - vhf-uhf front.JPG

Yahoo group: VK5JST_Analysers
Date: 2014-09-14 16:15:03 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 20 Message: 377
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf front.JPG
Description : Construction of Front Panel

378. File - vhf-uhf inside.jpg

Yahoo group: VK5JST_Analysers
Date: 2014-09-14 16:15:03 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 21 Message: 378
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf inside.jpg
Description : Internals (so far)

379. File - vhf-uhf PCB.jpg

Yahoo group: VK5JST_Analysers
Date: 2014-09-28 18:34:09 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 19 Message: 379
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf PCB.jpg
Description : PCB - populated

380. File - vhf-uhf front.JPG

Yahoo group: VK5JST_Analysers
Date: 2014-09-28 18:34:09 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 20 Message: 380
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf front.JPG
Description : Construction of Front Panel

381. File - vhf-uhf inside.jpg

Yahoo group: VK5JST_Analysers
Date: 2014-09-28 18:34:09 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 21 Message: 381
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf inside.jpg
Description : Internals (so far)

382. File - vhf-uhf PCB.jpg

Yahoo group: VK5JST_Analysers
Date: 2014-10-12 19:47:52 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 19 Message: 382
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf PCB.jpg
Description : PCB - populated

383. File - vhf-uhf front.JPG

Yahoo group: VK5JST_Analysers
Date: 2014-10-12 19:47:52 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 20 Message: 383
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf front.JPG
Description : Construction of Front Panel

384. File - vhf-uhf inside.jpg

Yahoo group: VK5JST_Analysers
Date: 2014-10-12 19:47:52 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 21 Message: 384
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf inside.jpg
Description : Internals (so far)

386. File - vhf-uhf PCB.jpg

Yahoo group: VK5JST_Analysers
Date: 2014-10-26 20:18:18 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 19 Message: 386
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf PCB.jpg
Description : PCB - populated

387. File - vhf-uhf front.JPG

Yahoo group: VK5JST_Analysers
Date: 2014-10-26 20:18:18 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 20 Message: 387
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf front.JPG
Description : Construction of Front Panel

388. File - vhf-uhf inside.jpg

Yahoo group: VK5JST_Analysers
Date: 2014-10-26 20:18:19 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 21 Message: 388
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf inside.jpg
Description : Internals (so far)

389. File - vhf-uhf PCB.jpg

Yahoo group: VK5JST_Analysers
Date: 2014-11-09 21:27:23 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 19 Message: 389
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf PCB.jpg
Description : PCB - populated

390. File - vhf-uhf front.JPG

Yahoo group: VK5JST_Analysers
Date: 2014-11-09 21:27:23 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 20 Message: 390
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf front.JPG
Description : Construction of Front Panel

391. File - vhf-uhf inside.jpg

Yahoo group: VK5JST_Analysers
Date: 2014-11-09 21:27:23 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 21 Message: 391
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf inside.jpg
Description : Internals (so far)

392. File - vhf-uhf PCB.jpg

Yahoo group: VK5JST_Analysers
Date: 2014-11-23 21:23:41 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 19 Message: 392
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf PCB.jpg
Description : PCB - populated

393. File - vhf-uhf front.JPG

Yahoo group: VK5JST_Analysers
Date: 2014-11-23 21:23:41 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 20 Message: 393
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf front.JPG
Description : Construction of Front Panel

394. File - vhf-uhf inside.jpg

Yahoo group: VK5JST_Analysers
Date: 2014-11-23 21:23:42 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 21 Message: 394
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf inside.jpg
Description : Internals (so far)

395. File - vhf-uhf PCB.jpg

Yahoo group: VK5JST_Analysers
Date: 2014-12-07 21:03:06 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 19 Message: 395
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf PCB.jpg
Description : PCB - populated

396. File - vhf-uhf front.JPG

Yahoo group: VK5JST_Analysers
Date: 2014-12-07 21:03:07 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 20 Message: 396
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf front.JPG
Description : Construction of Front Panel

397. File - vhf-uhf inside.jpg

Yahoo group: VK5JST_Analysers
Date: 2014-12-07 21:03:07 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 21 Message: 397
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf inside.jpg
Description : Internals (so far)

398. File - vhf-uhf PCB.jpg

Yahoo group: VK5JST_Analysers
Date: 2014-12-21 20:52:46 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 19 Message: 398
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf PCB.jpg
Description : PCB - populated

399. File - vhf-uhf front.JPG

Yahoo group: VK5JST_Analysers
Date: 2014-12-21 20:52:47 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 20 Message: 399
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf front.JPG
Description : Construction of Front Panel

400. File - vhf-uhf inside.jpg

Yahoo group: VK5JST_Analysers
Date: 2014-12-21 20:52:47 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 21 Message: 400
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf inside.jpg
Description : Internals (so far)

401. File - vhf-uhf PCB.jpg

Yahoo group: VK5JST_Analysers
Date: 2015-01-04 08:15:28 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 19 Message: 401
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf PCB.jpg
Description : PCB - populated

402. File - vhf-uhf front.JPG

Yahoo group: VK5JST_Analysers
Date: 2015-01-04 08:15:28 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 20 Message: 402
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf front.JPG
Description : Construction of Front Panel

403. File - vhf-uhf inside.jpg

Yahoo group: VK5JST_Analysers
Date: 2015-01-04 08:15:28 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 21 Message: 403
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf inside.jpg
Description : Internals (so far)

404. Main tuning control too coarse

Yahoo group: VK5JST_Analysers
Date: 2015-01-14 05:24:51 UTC
From: christopherlarwood@...
Topic: 404 Message: 404

I find that the main tuning control is too "coarse" - a very small adjustment takes you too far up or down to make measuring up and down the band easy. Some Hundreds of KHz when most HF amateur allocations are no more than 300 KHz in total
The fine tune controls good to use for 25 kHz steps to plot SWR but getting to the centre of operating band with the main control is more difficult than ideal.
Does anyone else find this to be a pain also? Has anyone addressed this?

405. Re: [VK5JST_Analysers] Main tuning control too coarse

Yahoo group: VK5JST_Analysers
Date: 2015-01-14 06:43:42 UTC
From: Mike Millen
Topic: 404 Message: 405

On 14/01/2015 05:24, christopherlarwood@... [VK5JST_Analysers] wrote:
>
> I find that the main tuning control is too "coarse" - a very small
> adjustment takes you too far up or down to make measuring up and down
> the band easy. Some Hundreds of KHz when most HF amateur allocations
> are no more than 300 KHz in total
>
> The fine tune controls good to use for 25 kHz steps to plot SWR but
> getting to the centre of operating band with the main control is more
> difficult than ideal.
>
> Does anyone else find this to be a pain also? Has anyone addressed this?
>
>

Yes. I realised there'd be that problem before I built mine (experience
with an MFJ259).

I ditched the variable C in favour of a 20-turn pot & a varactor.

I then added a second "fine-tune" pot in series.

Works great.

Mike
M0MLM

406. RE: [VK5JST_Analysers] Main tuning control too coarse

Yahoo group: VK5JST_Analysers
Date: 2015-01-14 09:17:34 UTC
From: Steve Jones
Topic: 404 Message: 406

I completely home brewed the analyser (amazingly surprised with it's performance!). Not a specific answer to your query, but I didn't use the LC oscillator as per design but used a DDS VFO designed by VK5TM without the LCD display. This can run 1Hz to 60MHz but each HF ham band is pre-programmed into the PIC and are user selectable. Tuning rates of 1, 10, 100 Hz, 1, 10, 100 kHz, 1 MHz increments are also user selectable. The DDS is simple, cheap to make and with a bit of thought, can be made small enough to fit the the space of the original LC bits since the rotary switch is no longer needed.
Steve, G4FYF.

To: VK5JST_Analysers@yahoogroups.com
From: VK5JST_Analysers@yahoogroups.com
Date: Tue, 13 Jan 2015 21:24:51 -0800
Subject: [VK5JST_Analysers] Main tuning control too coarse

I find that the main tuning control is too "coarse" - a very small adjustment takes you too far up or down to make measuring up and down the band easy. Some Hundreds of KHz when most HF amateur allocations are no more than 300 KHz in total
The fine tune controls good to use for 25 kHz steps to plot SWR but getting to the centre of operating band with the main control is more difficult than ideal.
Does anyone else find this to be a pain also? Has anyone addressed this?

407. File - vhf-uhf PCB.jpg

Yahoo group: VK5JST_Analysers
Date: 2015-01-18 08:16:32 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 19 Message: 407
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf PCB.jpg
Description : PCB - populated

408. File - vhf-uhf front.JPG

Yahoo group: VK5JST_Analysers
Date: 2015-01-18 08:16:32 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 20 Message: 408
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf front.JPG
Description : Construction of Front Panel

409. File - vhf-uhf inside.jpg

Yahoo group: VK5JST_Analysers
Date: 2015-01-18 08:16:32 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 21 Message: 409
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf inside.jpg
Description : Internals (so far)

414. File - vhf-uhf PCB.jpg

Yahoo group: VK5JST_Analysers
Date: 2015-02-01 08:19:21 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 19 Message: 414
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf PCB.jpg
Description : PCB - populated

415. File - vhf-uhf front.JPG

Yahoo group: VK5JST_Analysers
Date: 2015-02-01 08:19:21 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 20 Message: 415
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf front.JPG
Description : Construction of Front Panel

416. File - vhf-uhf inside.jpg

Yahoo group: VK5JST_Analysers
Date: 2015-02-01 08:19:21 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 21 Message: 416
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf inside.jpg
Description : Internals (so far)

425. File - vhf-uhf PCB.jpg

Yahoo group: VK5JST_Analysers
Date: 2015-02-15 08:21:11 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 19 Message: 425
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf PCB.jpg
Description : PCB - populated

426. File - vhf-uhf front.JPG

Yahoo group: VK5JST_Analysers
Date: 2015-02-15 08:21:11 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 20 Message: 426
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf front.JPG
Description : Construction of Front Panel

427. File - vhf-uhf inside.jpg

Yahoo group: VK5JST_Analysers
Date: 2015-02-15 08:21:11 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 21 Message: 427
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf inside.jpg
Description : Internals (so far)

450. File - vhf-uhf PCB.jpg

Yahoo group: VK5JST_Analysers
Date: 2015-03-15 07:26:51 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 19 Message: 450
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf PCB.jpg
Description : PCB - populated

451. File - vhf-uhf front.JPG

Yahoo group: VK5JST_Analysers
Date: 2015-03-15 07:26:51 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 20 Message: 451
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf front.JPG
Description : Construction of Front Panel

452. File - vhf-uhf inside.jpg

Yahoo group: VK5JST_Analysers
Date: 2015-03-15 07:26:51 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 21 Message: 452
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf inside.jpg
Description : Internals (so far)

453. VK5JST Aerial Analyzer PCB design

Yahoo group: VK5JST_Analysers
Date: 2015-03-29 02:02:26 UTC
From: oneghose@...
Topic: 453 Message: 453

Is there any source where from I can get this great project's pcb pdf?
I would like to homebrew one for my personal use.
Sudipta Ghose
VU3TKG

454. Re: VK5JST Aerial Analyzer PCB design

Yahoo group: VK5JST_Analysers
Date: 2015-03-29 06:35:31 UTC
From: stunutt@...
Topic: 453 Message: 454

Hi Sudipta, and welcome to the group :)

I'll try to check back this evening to see if anyone has gotten back to you, Sorry you had to wait for your post to get moderated but I had to set "new members moderated" because we were getting spammed by a lot of links to pornography sites - you should be okay now :)

Stu, G3OCR (group owner)

455. Re: [VK5JST_Analysers] Re: VK5JST Aerial Analyzer PCB design

Yahoo group: VK5JST_Analysers
Date: 2015-03-29 07:18:52 UTC
From: Sudipta Ghose
Topic: 453 Message: 455

That is OK! I understand.
73 de Sudipta Ghose
VU3TKG

On Sun, Mar 29, 2015 at 12:05 PM, stunutt@... [VK5JST_Analysers] <
VK5JST_Analysers@yahoogroups.com> wrote:

>
>
> Hi Sudipta, and welcome to the group :)
>
> I'll try to check back this evening to see if anyone has gotten back to
> you, Sorry you had to wait for your post to get moderated but I had to set
> "new members moderated" because we were getting spammed by a lot of links
> to pornography sites - you should be okay now :)
>
> Stu, G3OCR (group owner)
>
>

--
One of those ... ...

456. File - vhf-uhf PCB.jpg

Yahoo group: VK5JST_Analysers
Date: 2015-03-29 07:32:08 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 19 Message: 456
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf PCB.jpg
Description : PCB - populated

457. File - vhf-uhf front.JPG

Yahoo group: VK5JST_Analysers
Date: 2015-03-29 07:32:08 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 20 Message: 457
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf front.JPG
Description : Construction of Front Panel

458. File - vhf-uhf inside.jpg

Yahoo group: VK5JST_Analysers
Date: 2015-03-29 07:32:08 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 21 Message: 458
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf inside.jpg
Description : Internals (so far)

459. Re: [VK5JST_Analysers] VK5JST Aerial Analyzer PCB design

Yahoo group: VK5JST_Analysers
Date: 2015-03-29 07:08:38 UTC
From: vu2iia
Topic: 453 Message: 459

Hi Sudipta,

We have made few PCB's, I have sent to you PM.

I made same project, but I wrote my own software using pic18f2550 and DDS,
its still under construction.

Mahesh
VU2IIA <http://vu2iia-meteor-m2.blogspot.in/>
Mumbai-INDIA

On Sun, Mar 29, 2015 at 7:32 AM, oneghose@... [VK5JST_Analysers] <
VK5JST_Analysers@yahoogroups.com> wrote:

>
>
> Is there any source where from I can get this great project's pcb pdf?
> I would like to homebrew one for my personal use.
> Sudipta Ghose
> VU3TKG
>
>
>

460. Re: [VK5JST_Analysers] Re: VK5JST Aerial Analyzer PCB design

Yahoo group: VK5JST_Analysers
Date: 2015-03-29 20:32:44 UTC
From: Stu Nutt
Topic: 453 Message: 460

I bought the entire component kit - including the PCB from the Adelaide Radio Club, which was probably cheaper, and a lot less hassle, than shopping for single-unit quantities myself. But if you've already bought a lot of parts, you can find the PCB information here:
http://www.users.on.net/~endsodds
There's also a great resource site at:
http://www.dxzone.com/cgi-bin/dir/jump2.cgi?ID=25692
with all the information you could want (and probably more!)

Happy building,
Stu, G3OCR

This email has been checked for viruses by Avast antivirus software.
http://www.avast.com

461. File - vhf-uhf PCB.jpg

Yahoo group: VK5JST_Analysers
Date: 2015-04-12 07:36:22 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 19 Message: 461
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf PCB.jpg
Description : PCB - populated

462. File - vhf-uhf front.JPG

Yahoo group: VK5JST_Analysers
Date: 2015-04-12 07:36:22 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 20 Message: 462
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf front.JPG
Description : Construction of Front Panel

463. File - vhf-uhf inside.jpg

Yahoo group: VK5JST_Analysers
Date: 2015-04-12 07:36:22 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 21 Message: 463
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf inside.jpg
Description : Internals (so far)

464. File - vhf-uhf PCB.jpg

Yahoo group: VK5JST_Analysers
Date: 2015-04-26 07:38:05 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 19 Message: 464
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf PCB.jpg
Description : PCB - populated

465. File - vhf-uhf front.JPG

Yahoo group: VK5JST_Analysers
Date: 2015-04-26 07:38:05 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 20 Message: 465
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf front.JPG
Description : Construction of Front Panel

466. File - vhf-uhf inside.jpg

Yahoo group: VK5JST_Analysers
Date: 2015-04-26 07:38:05 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 21 Message: 466
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf inside.jpg
Description : Internals (so far)

467. Calibration help

Yahoo group: VK5JST_Analysers
Date: 2015-04-29 23:09:46 UTC
From: lordsmith@...
Topic: 467 Message: 467

I have just obtained a second hand unit. It would seem that it needs some calibration, as it differs from my external SWR meter, ATU cross needles and the internal SWR and radio protection mode.

It also doesn't match a dummy load across the range, on the highest setting it goes up to a 1.3 SWR on the 10m section.

Also the 4 digit/5 digit switch doesn't seem to do anything.

Please bear in mind, I didn't put the kit together, so I don't have that knowledge and secondly this is the first analyser I have owned.

468. Re: Calibration help

Yahoo group: VK5JST_Analysers
Date: 2015-05-03 16:20:06 UTC
From: lordsmith@...
Topic: 467 Message: 468

Right, I've managed to find the calibration method.

Ant analyzer http://pa0fri.home.xs4all.nl/Diversen/VK5JST/Ant%20analyzereng.htm

http://pa0fri.home.xs4all.nl/Diversen/VK5JST/Ant%20analyzereng.htm

Ant analyzer http://pa0fri.home.xs4all.nl/Diversen/VK5JST/Ant%20analyzereng.htm ANTENNE ANALYZER, VK5JST's AERIAL ANALYSER Correction of the diagrams: IC1d pin 2 = (-) and pin3 = (+) All modifications incorporated into one ...

View on pa0fri.home.xs4all.nl
http://pa0fri.home.xs4all.nl/Diversen/VK5JST/Ant%20analyzereng.htm
Preview by Yahoo

I just need to know where TP2, P1, P2 & P3 are located.

Also, as per my previous post, what is the 4 digit & 5 digit switch meant to do?

469. Re: Calibration help

Yahoo group: VK5JST_Analysers
Date: 2015-05-04 07:53:59 UTC
From: steveg4fyf@...
Topic: 467 Message: 469

Go here: Aerial Analyser Details http://www.users.on.net/~endsodds/analsr.htm

http://www.users.on.net/~endsodds/analsr.htm

Aerial Analyser Details http://www.users.on.net/~endsodds/analsr.htm VK5JST HOMEPAGE- PART 10 VK5JST AERIAL ANALYSER HARDWARE

View on www.users.on.net http://www.users.on.net/~endsodds/analsr.htm
Preview by Yahoo

The downloads section contains all you should need in relation to the circuit operation and component/test point placement.

73 Steve.

470. Re: Calibration help

Yahoo group: VK5JST_Analysers
Date: 2015-05-04 22:09:29 UTC
From: lordsmith@...
Topic: 467 Message: 470

Okay, thanks for that. Did the calibration okay. It seems to be fine on the lower frequencies, but at the top end (10m) it is reporting 1.4 SWR on a dummy load.

Up to about 12MHz it seems fine, up to about 18-20MHz, it creeps up to 55 Ohm. But after 20MHz it just shoots up to 70 Ohm, on a radio the dummy load behaves fine at 10m with 1:1.

Does the top end need some adjustment to it. In the same way that people adjust it so that they can use it for 6m.

471. Re: Calibration help

Yahoo group: VK5JST_Analysers
Date: 2015-05-05 14:43:53 UTC
From: steveg4fyf@...
Topic: 467 Message: 471

Well, just checked mine again into my home brew dummy load, at 24 MHz 51 Ohms 1.03 SWR; at 30 Mhz 53 Ohms 1.06 SWR.

Given the simplicity and relative low cost of this, and being aware of the errors at the top end, I can live with that! In terms of further calibration, 'fraid you're on your own there! You may want to look at the construction of yours; longer component/connection leads could have an impact of the capacitance/inductance at higher frequencies.

Mine is totally home brewed and I have replaced the design VFO with a home brew DDS VFO (see bit I did for my club newsletter, page 7;
http://www.g3src.org.uk/SRCCNewsOct2013Issue1%20(1).pdf
http://www.g3src.org.uk/SRCCNewsOct2013Issue1%20(1).pdf)

Regards,
Steve

472. File - vhf-uhf PCB.jpg

Yahoo group: VK5JST_Analysers
Date: 2015-05-10 07:39:46 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 19 Message: 472
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf PCB.jpg
Description : PCB - populated

473. File - vhf-uhf front.JPG

Yahoo group: VK5JST_Analysers
Date: 2015-05-10 07:39:46 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 20 Message: 473
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf front.JPG
Description : Construction of Front Panel

474. File - vhf-uhf inside.jpg

Yahoo group: VK5JST_Analysers
Date: 2015-05-10 07:39:46 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 21 Message: 474
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf inside.jpg
Description : Internals (so far)

475. Re: Calibration help

Yahoo group: VK5JST_Analysers
Date: 2015-05-11 09:29:41 UTC
From: lordsmith@...
Topic: 467 Message: 475

Thanks for your help.

The problems with high SWR seem more to do with the reactance than with resistance.

476. Measuring traps?

Yahoo group: VK5JST_Analysers
Date: 2015-05-13 00:30:39 UTC
From: christopherlarwood@...
Topic: 476 Message: 476

Can I use the JST analyser to measure the resonant frequency of two 80m traps which seem to have gone bad - well off the 80m band anyway and always very narrow bandwidth.

I saw a youtube clip with someone using a MFJ analyser to do this and would like to check these two traps and fix them.

Thanks

477. Calibration

Yahoo group: VK5JST_Analysers
Date: 2015-05-14 15:12:56 UTC
From: lordsmith@...
Topic: 477 Message: 477

Finally got it done, not sure which one did the most, as I did them both together. I loaded new Picaxe software. I noticed that I had awful wiring from the board to the antenna/earth socket. The antenna wire was about the thinnest wire you could buy (seriously, it was like a bit of cotton thread) and neither were shielded. I took them out and used some RG58 to connect them.

Dummy load works from 1.8 to 30 and is spot on, plus the reactance seems to have disappeared. I also got the four/five digit switch to work and the new software has stopped the flickering. Useless git has wired the switch the wrong way around for the four and five digit, but the switch needs replacing, so I'll sort that together.

478. File - vhf-uhf PCB.jpg

Yahoo group: VK5JST_Analysers
Date: 2015-05-24 07:44:06 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 19 Message: 478
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf PCB.jpg
Description : PCB - populated

479. File - vhf-uhf front.JPG

Yahoo group: VK5JST_Analysers
Date: 2015-05-24 07:44:06 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 20 Message: 479
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf front.JPG
Description : Construction of Front Panel

480. File - vhf-uhf inside.jpg

Yahoo group: VK5JST_Analysers
Date: 2015-05-24 07:44:06 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 21 Message: 480
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf inside.jpg
Description : Internals (so far)

481. SP2JJH PCB

Yahoo group: VK5JST_Analysers
Date: 2015-06-01 20:48:54 UTC
From: clackvalve2@...
Topic: 481 Message: 481

Hi Everyone,

I'm new to the group so I thought I would introduce myself. Like others on here I am a radio ham (G1NOO). I have had a few years spending most of my time constructing a 1/4 size model of a Traction Engine.

I have a renewed interest in HF mostly data on 20Mtrs My old G5RV has had it, so I'd like to do a bit of messing around with loft aerials although I have a 120ft garden but I am unable to maintain outdoor stuff as I am disabled.

My interest in the Analyser came about when I saw a PCB on Fleabay. It turns out that it is based on VK5JST's design. Can anyone tell me where I can get the box everyone is using? I have searched around the internet but can't find it.

Regards, Bob

482. Re: SP2JJH PCB

Yahoo group: VK5JST_Analysers
Date: 2015-06-02 06:42:33 UTC
From: stunutt@...
Topic: 481 Message: 482

Hi Bob - Welcome to the group. I suspect a lot of members aren't active any more because we had a problem earlier in the year with spammers, and it took me a while to work out how to block their attacks.

I've "approved" your post, and removed moderation from you, so you won't have to wait anymore until I come online before your posts appear - HI

Like yourself, I'm playing with loft antennas, in my case as I have moved to a flat with no garden at all. Currently (between working!) setting up a fan-dipole to cover 10, 15 and 20 as that's the limit on size that will fit in. I'm not keen on loaded antennas (if I can avoid them) as they tend to have narrow bandwidth and tuners, to me, just mean something that allows the TX to work with an inefficient antenna!

Can't help you at the moment with the box (although maybe when I've sorted out my junk-box after the QTH move!) but hopefully someone else on the group can. Failing that, you could try contacting VK5JST and get a suggestion from the designer - he does answer his emails

73, and hope to hear you on the air one day - My QTH is Southport - about mid-way between Liverpool and Blackpool,

Stu, G3OCR
(List owner)

483. Re: SP2JJH PCB

Yahoo group: VK5JST_Analysers
Date: 2015-06-02 11:49:45 UTC
From: lordsmith@...
Topic: 481 Message: 483

I take it that you want the terminals, switches and most importantly the LCD? If so, best to contact VK5JST or the ham group that sells the kit and purchase one off of them.

Or, just but a project box, AliExpress usually has a good selection at reasonable prices.

484. Re: SP2JJH PCB

Yahoo group: VK5JST_Analysers
Date: 2015-06-02 12:42:37 UTC
From: mvs_sarma@...
Topic: 481 Message: 484

Bob,
try to make one using sq rods as support and AL sheet as panel covers.
preferable to have metal box, though.

sp2jjh (sp4jjh now) board dim might differ from original VK5JSTs.

485. Re: SP2JJH PCB

Yahoo group: VK5JST_Analysers
Date: 2015-06-02 15:35:08 UTC
From: clackvalve2@...
Topic: 481 Message: 485

Hi Guy's,

Thanks for your welcome, Thanks Stu for the approval. As for the box, I have found something on fleabay that looks about right but it lacks the battery compartment, but I think I could buy a suitable battery case and glue it to the back, it is abs but I intend to line it with baking foil that should make it RF proof.

I have tried making ali. boxes in the past but they have never looked very well. If I had access to a bender I may have had a go but using angle in a vice never turns out any good for me.

Thanks for your help guys, and I hope to become a regular but I do have a lot of medical appointments and my wife has just come out of hospital so there may be a few days or even weeks when I can't get on.

All the best and good aerial tuning.

Bob

486. Re: [VK5JST_Analysers] Re: SP2JJH PCB

Yahoo group: VK5JST_Analysers
Date: 2015-06-02 16:05:00 UTC
From: Stu Nutt
Topic: 481 Message: 486

Hi again Bob :-) ,

I know what you mean about bending in a vice - it never comes out well!

Due to needing to work with 2m and 70cm antennas, my own 'JST has been passed on, but regarding the battery; the "all-band" (commercial) replacement came with a pair of crummy battery boxes, fixed to the main box with double-sided tape, and with pre-broken threads on the cover screws. They have been replaced!

Take care with the foil, to make sure it's glued well to the box, so that no shorts can happen, and that it's grounded, with a good connection between more than one piece of foil if several are used. Apart from that, it seems a very workable solution.

Stu (G3OCR)

On 02/06/2015 16:35, clackvalve2@... [VK5JST_Analysers] wrote:
>
> Hi Guy's,
>
> Thanks for your welcome, Thanks Stu for the approval. As for the box,
> I have found something on fleabay that looks about right but it lacks
> the battery compartment, but I think I could buy a suitable battery
> case and glue it to the back, it is abs but I intend to line it with
> baking foil that should make it RF proof.
>
> I have tried making ali. boxes in the past but they have never looked
> very well. If I had access to a bender I may have had a go but using
> angle in a vice never turns out any good for me.
>
> Thanks for your help guys, and I hope to become a regular but I do
> have a lot of medical appointments and my wife has just come out of
> hospital so there may be a few days or even weeks when I can't get on.
>
> All the best and good aerial tuning.
>
> Bob
>
>

This email has been checked for viruses by Avast antivirus software.
http://www.avast.com

487. Re: SP2JJH PCB

Yahoo group: VK5JST_Analysers
Date: 2015-06-02 19:28:55 UTC
From: neildrnkll@...
Topic: 481 Message: 487

Hi
Maplin do a nice alloy box, catalogue No N93BQ.
I bought one for mine but after much thought I decided to go with an ABS box though, (same size also from Maplin), reasoning if ABS was OK for VK5JST it will be ok for me, and it's much easier to drill and cut ABS.

488. File - vhf-uhf front.JPG

Yahoo group: VK5JST_Analysers
Date: 2015-06-07 07:51:30 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 20 Message: 488
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf front.JPG
Description : Construction of Front Panel

489. File - vhf-uhf inside.jpg

Yahoo group: VK5JST_Analysers
Date: 2015-06-07 07:51:31 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 21 Message: 489
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf inside.jpg
Description : Internals (so far)

490. File - vhf-uhf PCB.jpg

Yahoo group: VK5JST_Analysers
Date: 2015-06-07 07:51:30 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 19 Message: 490
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf PCB.jpg
Description : PCB - populated

491. File - vhf-uhf PCB.jpg

Yahoo group: VK5JST_Analysers
Date: 2015-06-21 07:54:41 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 19 Message: 491
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf PCB.jpg
Description : PCB - populated

492. File - vhf-uhf front.JPG

Yahoo group: VK5JST_Analysers
Date: 2015-06-21 07:54:41 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 20 Message: 492
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf front.JPG
Description : Construction of Front Panel

493. File - vhf-uhf inside.jpg

Yahoo group: VK5JST_Analysers
Date: 2015-06-21 07:54:42 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 21 Message: 493
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf inside.jpg
Description : Internals (so far)

494. File - vhf-uhf PCB.jpg

Yahoo group: VK5JST_Analysers
Date: 2015-07-05 07:52:24 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 19 Message: 494
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf PCB.jpg
Description : PCB - populated

495. File - vhf-uhf front.JPG

Yahoo group: VK5JST_Analysers
Date: 2015-07-05 07:52:27 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 20 Message: 495
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf front.JPG
Description : Construction of Front Panel

496. File - vhf-uhf inside.jpg

Yahoo group: VK5JST_Analysers
Date: 2015-07-05 07:52:28 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 21 Message: 496
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf inside.jpg
Description : Internals (so far)

497. File - vhf-uhf PCB.jpg

Yahoo group: VK5JST_Analysers
Date: 2015-07-19 07:55:49 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 19 Message: 497
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf PCB.jpg
Description : PCB - populated

498. File - vhf-uhf front.JPG

Yahoo group: VK5JST_Analysers
Date: 2015-07-19 07:55:49 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 20 Message: 498
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf front.JPG
Description : Construction of Front Panel

499. File - vhf-uhf inside.jpg

Yahoo group: VK5JST_Analysers
Date: 2015-07-19 07:55:50 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 21 Message: 499
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf inside.jpg
Description : Internals (so far)

500. File - vhf-uhf PCB.jpg

Yahoo group: VK5JST_Analysers
Date: 2015-08-02 07:37:07 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 19 Message: 500
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf PCB.jpg
Description : PCB - populated

501. File - vhf-uhf front.JPG

Yahoo group: VK5JST_Analysers
Date: 2015-08-02 07:37:07 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 20 Message: 501
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf front.JPG
Description : Construction of Front Panel

502. File - vhf-uhf inside.jpg

Yahoo group: VK5JST_Analysers
Date: 2015-08-02 07:37:07 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 21 Message: 502
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf inside.jpg
Description : Internals (so far)

503. File - vhf-uhf PCB.jpg

Yahoo group: VK5JST_Analysers
Date: 2015-08-16 08:03:36 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 19 Message: 503
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf PCB.jpg
Description : PCB - populated

504. File - vhf-uhf front.JPG

Yahoo group: VK5JST_Analysers
Date: 2015-08-16 08:03:36 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 20 Message: 504
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf front.JPG
Description : Construction of Front Panel

505. File - vhf-uhf inside.jpg

Yahoo group: VK5JST_Analysers
Date: 2015-08-16 08:03:37 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 21 Message: 505
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf inside.jpg
Description : Internals (so far)

506. File - vhf-uhf PCB.jpg

Yahoo group: VK5JST_Analysers
Date: 2015-08-30 08:05:08 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 19 Message: 506
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf PCB.jpg
Description : PCB - populated

507. File - vhf-uhf front.JPG

Yahoo group: VK5JST_Analysers
Date: 2015-08-30 08:05:08 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 20 Message: 507
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf front.JPG
Description : Construction of Front Panel

508. File - vhf-uhf inside.jpg

Yahoo group: VK5JST_Analysers
Date: 2015-08-30 08:05:08 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 21 Message: 508
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf inside.jpg
Description : Internals (so far)

509. File - vhf-uhf PCB.jpg

Yahoo group: VK5JST_Analysers
Date: 2015-09-13 07:57:46 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 19 Message: 509
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf PCB.jpg
Description : PCB - populated

510. File - vhf-uhf inside.jpg

Yahoo group: VK5JST_Analysers
Date: 2015-09-13 07:57:47 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 21 Message: 510
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf inside.jpg
Description : Internals (so far)

511. File - vhf-uhf front.JPG

Yahoo group: VK5JST_Analysers
Date: 2015-09-13 07:57:46 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 20 Message: 511
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf front.JPG
Description : Construction of Front Panel

512. File - vhf-uhf PCB.jpg

Yahoo group: VK5JST_Analysers
Date: 2015-09-27 08:08:18 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 19 Message: 512
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf PCB.jpg
Description : PCB - populated

513. File - vhf-uhf front.JPG

Yahoo group: VK5JST_Analysers
Date: 2015-09-27 08:08:18 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 20 Message: 513
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf front.JPG
Description : Construction of Front Panel

514. File - vhf-uhf inside.jpg

Yahoo group: VK5JST_Analysers
Date: 2015-09-27 08:08:18 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 21 Message: 514
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf inside.jpg
Description : Internals (so far)

515. File - vhf-uhf PCB.jpg

Yahoo group: VK5JST_Analysers
Date: 2015-10-11 07:59:49 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 19 Message: 515
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf PCB.jpg
Description : PCB - populated

516. File - vhf-uhf front.JPG

Yahoo group: VK5JST_Analysers
Date: 2015-10-11 07:59:49 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 20 Message: 516
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf front.JPG
Description : Construction of Front Panel

517. File - vhf-uhf inside.jpg

Yahoo group: VK5JST_Analysers
Date: 2015-10-11 07:59:49 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 21 Message: 517
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf inside.jpg
Description : Internals (so far)

518. File - vhf-uhf PCB.jpg

Yahoo group: VK5JST_Analysers
Date: 2015-10-25 08:13:22 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 19 Message: 518
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf PCB.jpg
Description : PCB - populated

519. File - vhf-uhf front.JPG

Yahoo group: VK5JST_Analysers
Date: 2015-10-25 08:13:22 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 20 Message: 519
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf front.JPG
Description : Construction of Front Panel

520. File - vhf-uhf inside.jpg

Yahoo group: VK5JST_Analysers
Date: 2015-10-25 08:13:22 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 21 Message: 520
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf inside.jpg
Description : Internals (so far)

521. Sensitive to my hand location on the box

Yahoo group: VK5JST_Analysers
Date: 2015-10-31 00:52:00 UTC
From: dhenrymail@...
Topic: 521 Message: 521

I've had mine for about a year with little usage.
Assembly and calibration were ok but after closing the box, I notice that its reading depend a lot where my hands are holding it. And making the "fine" frequency adjustment is challenging because the frequency varies a lot depending on my hand being on the knob.
Otherwise seems to work ok.
Any ideas?

522. File - vhf-uhf PCB.jpg

Yahoo group: VK5JST_Analysers
Date: 2015-11-08 09:09:25 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 19 Message: 522
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf PCB.jpg
Description : PCB - populated

523. File - vhf-uhf front.JPG

Yahoo group: VK5JST_Analysers
Date: 2015-11-08 09:09:25 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 20 Message: 523
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf front.JPG
Description : Construction of Front Panel

524. File - vhf-uhf inside.jpg

Yahoo group: VK5JST_Analysers
Date: 2015-11-08 09:09:25 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 21 Message: 524
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf inside.jpg
Description : Internals (so far)

525. File - vhf-uhf PCB.jpg

Yahoo group: VK5JST_Analysers
Date: 2015-11-22 09:13:16 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 19 Message: 525
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf PCB.jpg
Description : PCB - populated

526. File - vhf-uhf front.JPG

Yahoo group: VK5JST_Analysers
Date: 2015-11-22 09:13:16 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 20 Message: 526
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf front.JPG
Description : Construction of Front Panel

527. File - vhf-uhf inside.jpg

Yahoo group: VK5JST_Analysers
Date: 2015-11-22 09:13:16 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 21 Message: 527
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf inside.jpg
Description : Internals (so far)

528. File - vhf-uhf PCB.jpg

Yahoo group: VK5JST_Analysers
Date: 2015-12-06 09:12:40 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 19 Message: 528
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf PCB.jpg
Description : PCB - populated

529. File - vhf-uhf front.JPG

Yahoo group: VK5JST_Analysers
Date: 2015-12-06 09:12:40 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 20 Message: 529
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf front.JPG
Description : Construction of Front Panel

530. File - vhf-uhf inside.jpg

Yahoo group: VK5JST_Analysers
Date: 2015-12-06 09:12:41 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 21 Message: 530
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf inside.jpg
Description : Internals (so far)

531. File - vhf-uhf PCB.jpg

Yahoo group: VK5JST_Analysers
Date: 2015-12-20 09:14:30 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 19 Message: 531
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf PCB.jpg
Description : PCB - populated

532. File - vhf-uhf front.JPG

Yahoo group: VK5JST_Analysers
Date: 2015-12-20 09:14:30 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 20 Message: 532
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf front.JPG
Description : Construction of Front Panel

533. File - vhf-uhf inside.jpg

Yahoo group: VK5JST_Analysers
Date: 2015-12-20 09:14:31 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 21 Message: 533
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf inside.jpg
Description : Internals (so far)

534. File - vhf-uhf PCB.jpg

Yahoo group: VK5JST_Analysers
Date: 2016-01-03 08:47:14 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 19 Message: 534
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf PCB.jpg
Description : PCB - populated

535. File - vhf-uhf front.JPG

Yahoo group: VK5JST_Analysers
Date: 2016-01-03 08:47:14 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 20 Message: 535
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf front.JPG
Description : Construction of Front Panel

536. File - vhf-uhf inside.jpg

Yahoo group: VK5JST_Analysers
Date: 2016-01-03 08:47:14 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 21 Message: 536
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf inside.jpg
Description : Internals (so far)

537. File - vhf-uhf PCB.jpg

Yahoo group: VK5JST_Analysers
Date: 2016-01-17 09:11:31 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 19 Message: 537
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf PCB.jpg
Description : PCB - populated

538. File - vhf-uhf front.JPG

Yahoo group: VK5JST_Analysers
Date: 2016-01-17 09:11:31 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 20 Message: 538
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf front.JPG
Description : Construction of Front Panel

539. File - vhf-uhf inside.jpg

Yahoo group: VK5JST_Analysers
Date: 2016-01-17 09:11:31 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 21 Message: 539
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf inside.jpg
Description : Internals (so far)

540. File - vhf-uhf PCB.jpg

Yahoo group: VK5JST_Analysers
Date: 2016-01-31 09:21:18 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 19 Message: 540
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf PCB.jpg
Description : PCB - populated

541. File - vhf-uhf front.JPG

Yahoo group: VK5JST_Analysers
Date: 2016-01-31 09:21:18 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 20 Message: 541
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf front.JPG
Description : Construction of Front Panel

542. File - vhf-uhf inside.jpg

Yahoo group: VK5JST_Analysers
Date: 2016-01-31 09:21:18 UTC
From: VK5JST_Analysers@yahoogroups.com
Topic: 21 Message: 542
Attachments: 1 described; binary payloads are missing from this source WARC

File : vhf-uhf inside.jpg
Description : Internals (so far)

543. HF & VHF analyser

Yahoo group: VK5JST_Analysers
Date: 2016-02-25 09:27:11 UTC
From: jack@...
Topic: 543 Message: 543

Has anyone had a go at building the new one?

VHF Aerial Analyser Details http://www.users.on.net/~endsodds/aamk7.htm

VHF Aerial Analyser Details http://www.users.on.net/~endsodds/aamk7.htm NO CRO? Here is an rf probe for your DVM which can check operation of the analyser oscillator/amplifier circuits (JPEG) ERRATA, WARTS, PROBLEMS AND COMMENTS

View on www.users.on.net http://www.users.on.net/~endsodds/aamk7.htm
Preview by Yahoo

544. No Display

Yahoo group: VK5JST_Analysers
Date: 2016-03-01 22:28:34 UTC
From: drwilx@...
Topic: 544 Message: 544

Hi all,

I just finished building the VHF Aerial Analyser kit (latest version) and adjusted all the voltages per the instructions. After installing the the Picaxe I again turned it on and get nothing but a bar across the display. It should give me the battery voltage etc. Could it be that the Picaxe wasn't programmed? I don't know what to do next. Any help would be much appreciated. Obtw, the current demand is 129 mA which I believe should be higher. If I could get some test voltages for the Picaxe maybe I could identify the problem.

I emailed them regarding another question, but have gotten no response. I don't know if I should bother emailing them with the above based on the last non-response.

I seems to be a very nice kit. The pc board is first rate, there were no missing parts and the instructions were certainly adequate for the build. A little information on trouble shooting would be very helpful.

73

Dennis KG7ZWJ

545. Re: No Display

Yahoo group: VK5JST_Analysers
Date: 2016-03-02 09:16:22 UTC
From: mvs_sarma@...
Topic: 544 Message: 545

if the contrast is not adjusted, (it should be approx 0.7V across pin3 to pin1)
you are likely to get the black bar.

546. Re: No Display

Yahoo group: VK5JST_Analysers
Date: 2016-03-02 14:42:44 UTC
From: drwilx@...
Topic: 544 Message: 546

Hi, I can adjust the contrast from no display to two black bars, but I still get no information on the display.

73

Dennis KG7ZWJ

547. TP3 voltage can maximum only 3.7V

Yahoo group: VK5JST_Analysers
Date: 2016-03-09 15:33:21 UTC
From: chokelive@...
Topic: 547 Message: 547

Hello All,

I just finished building the VHF/HF Aerial Analyser kit (latest version) everything work fine EXCEPT test voltage at TP3 point
I can adjusted the voltages at TP3 to maximum only 3.7V , (but as per instruction need adjust to 5V)

any advise or recommendation please help let me know.

73
Choke, E29AHU

549. Re: TP3 voltage can maximum only 3.7V

Yahoo group: VK5JST_Analysers
Date: 2016-03-12 14:03:11 UTC
From: jack@...
Topic: 547 Message: 549

On the original HF version, you used to set the frequency to 2MHz and stick a dummy load on.

Are you doing that, or checked what is required on the new version to set the TP?

550. Yahoo (the company) was hacked

Yahoo group: VK5JST_Analysers
Date: 2016-09-23 11:50:53 UTC
From: herk7769@...
Topic: 550 Message: 550

You may be aware that Yahoo had a security breach and some data about your account was stolen. While your password was most likely encrypted, your security questions for changing it were not.

I recommend that you turn on "secondary SMS code" login verification.

This way when you or someone else tries to log into your account, a text message with a 5 digit code number appears on your phone. Your account is secure until that code is entered.

Lou
KC3FFW